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Figure 1

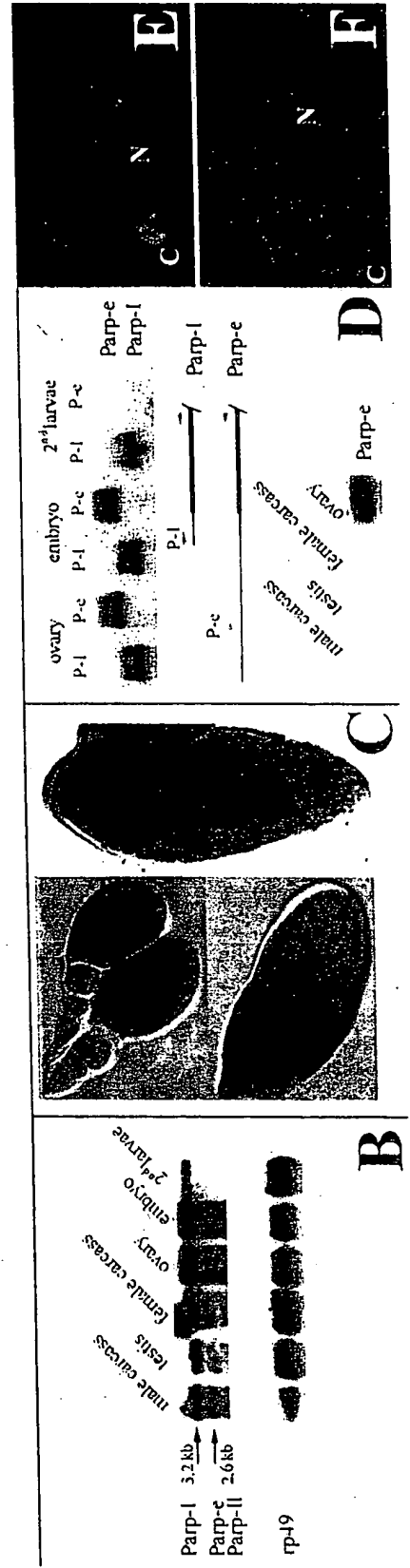
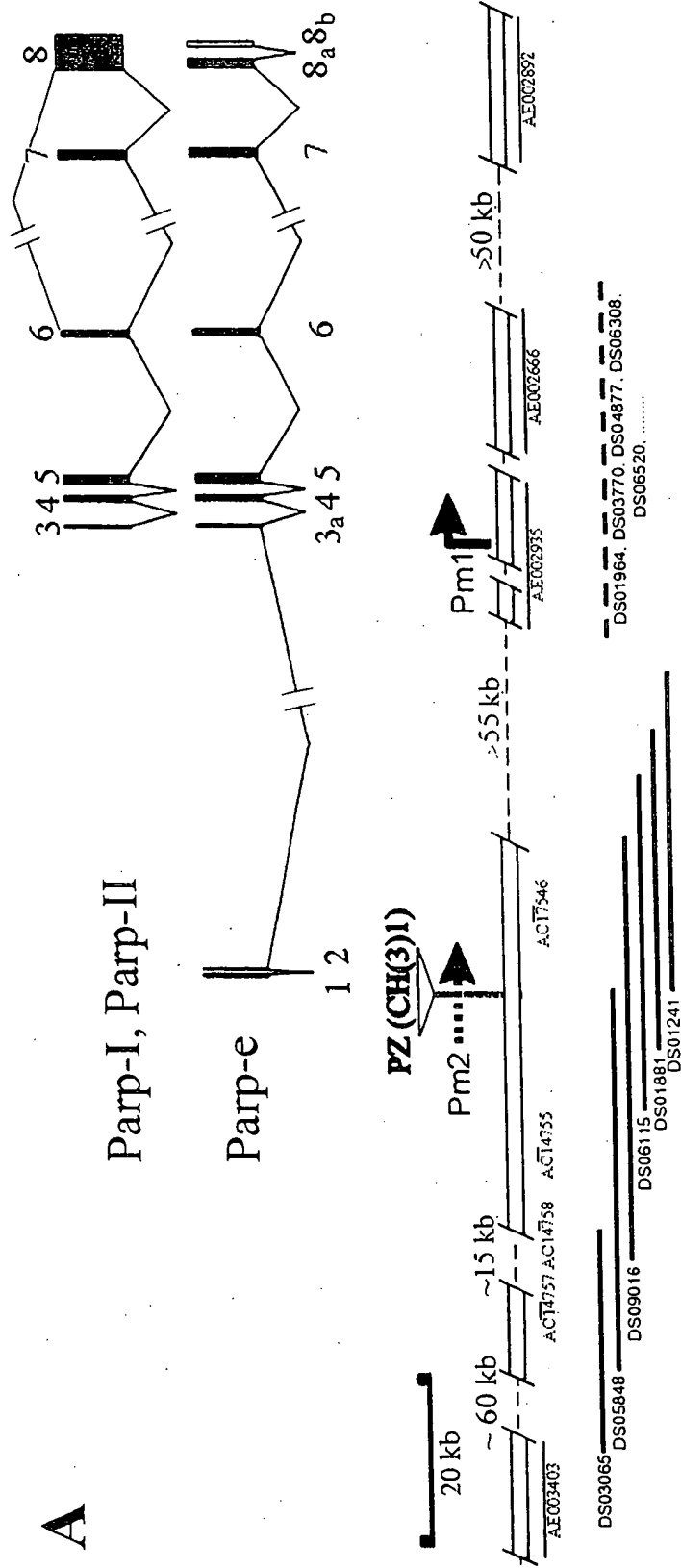


Figure 2

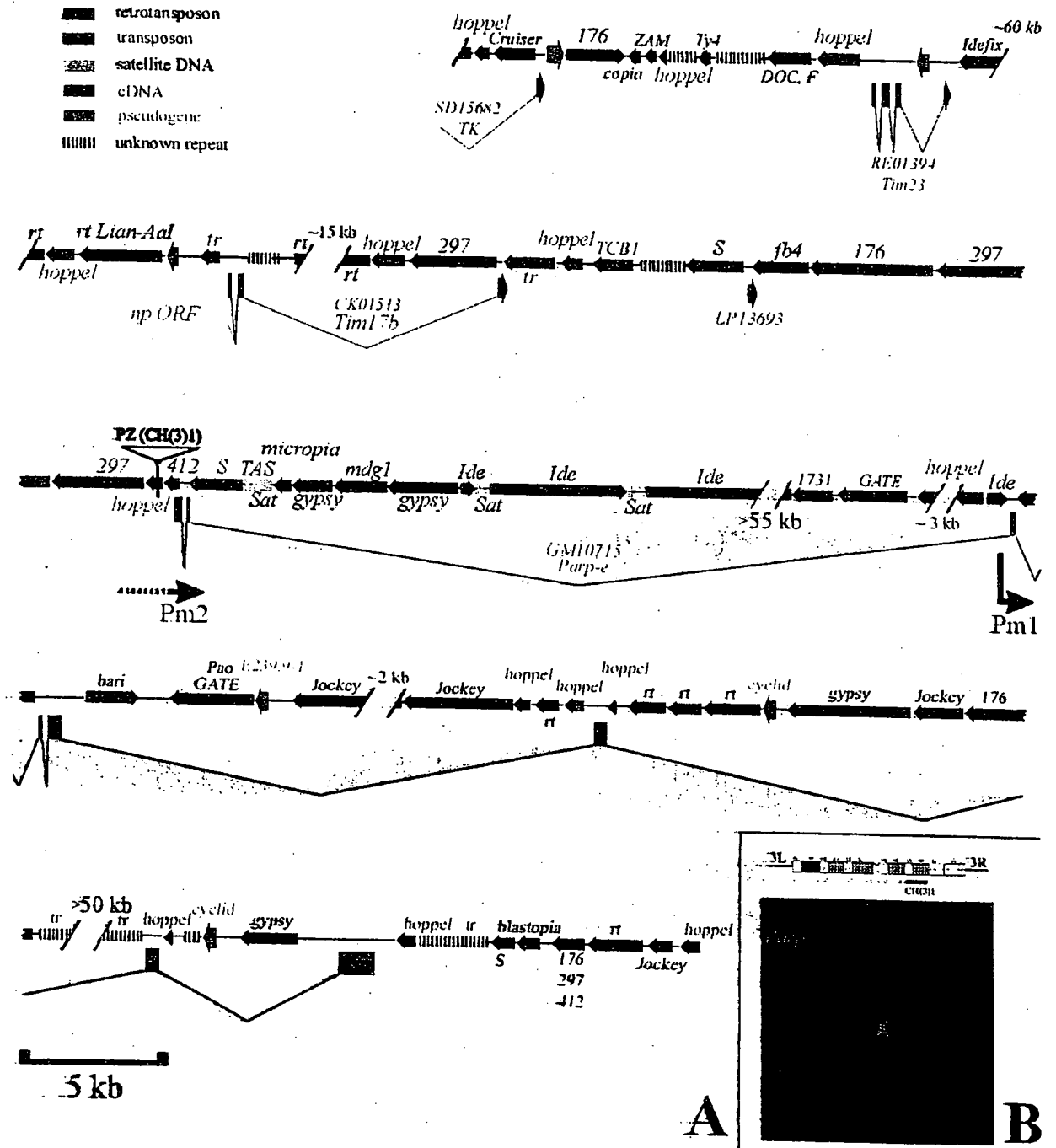


Figure 3

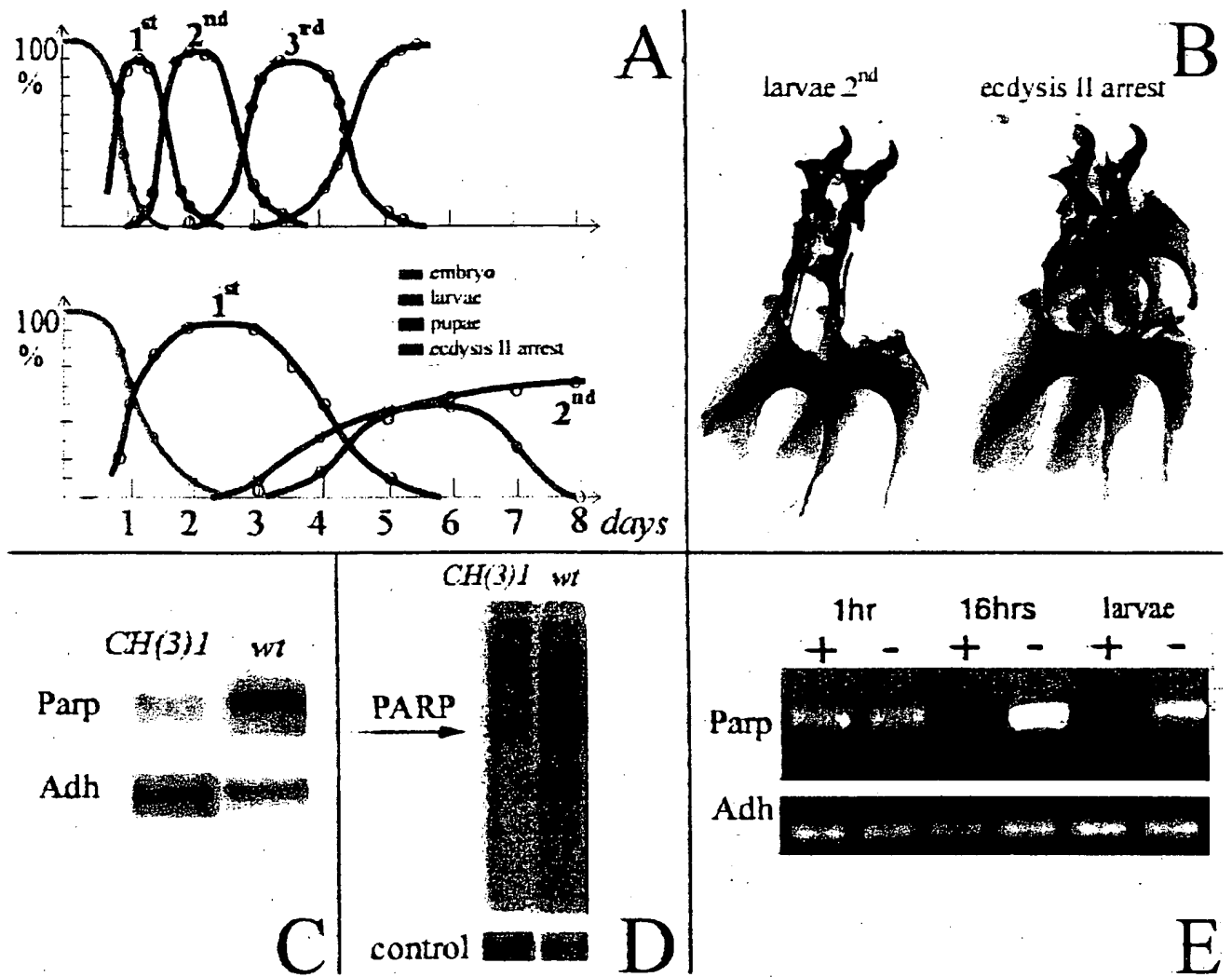


Figure 4

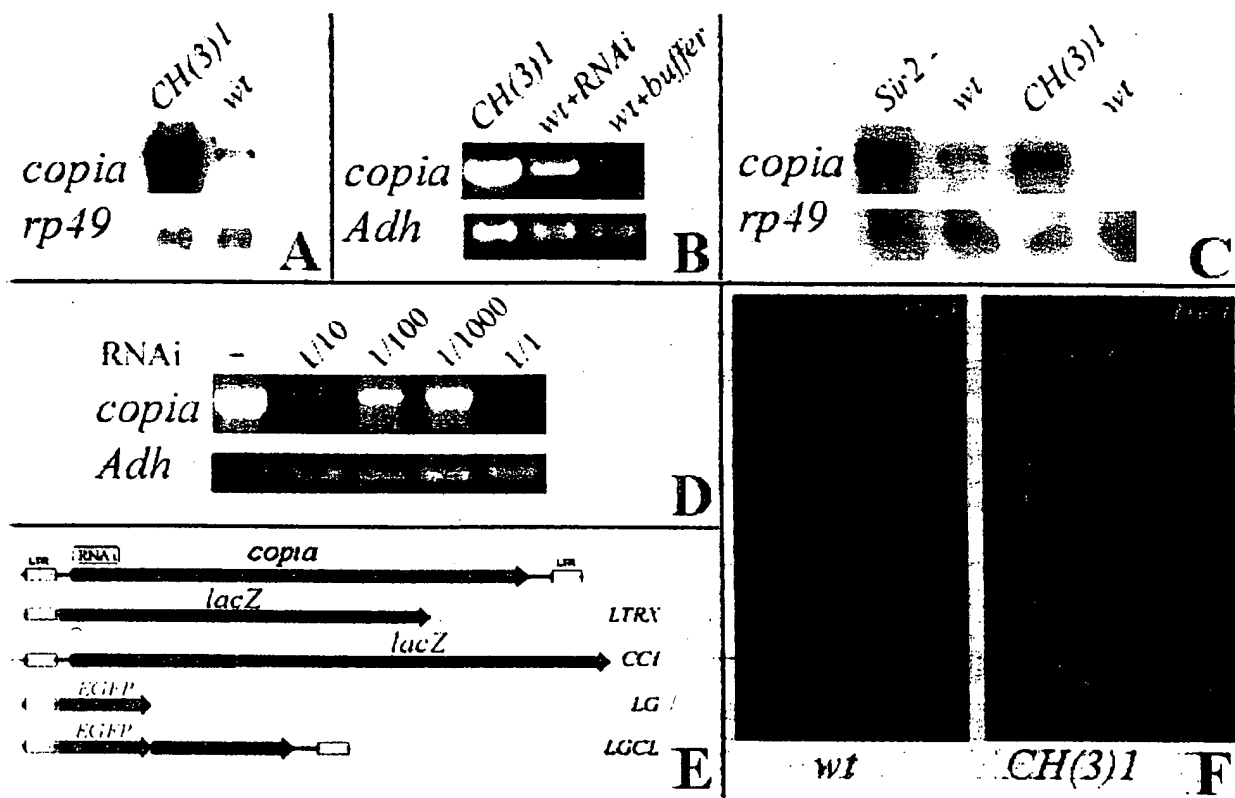


Figure 5

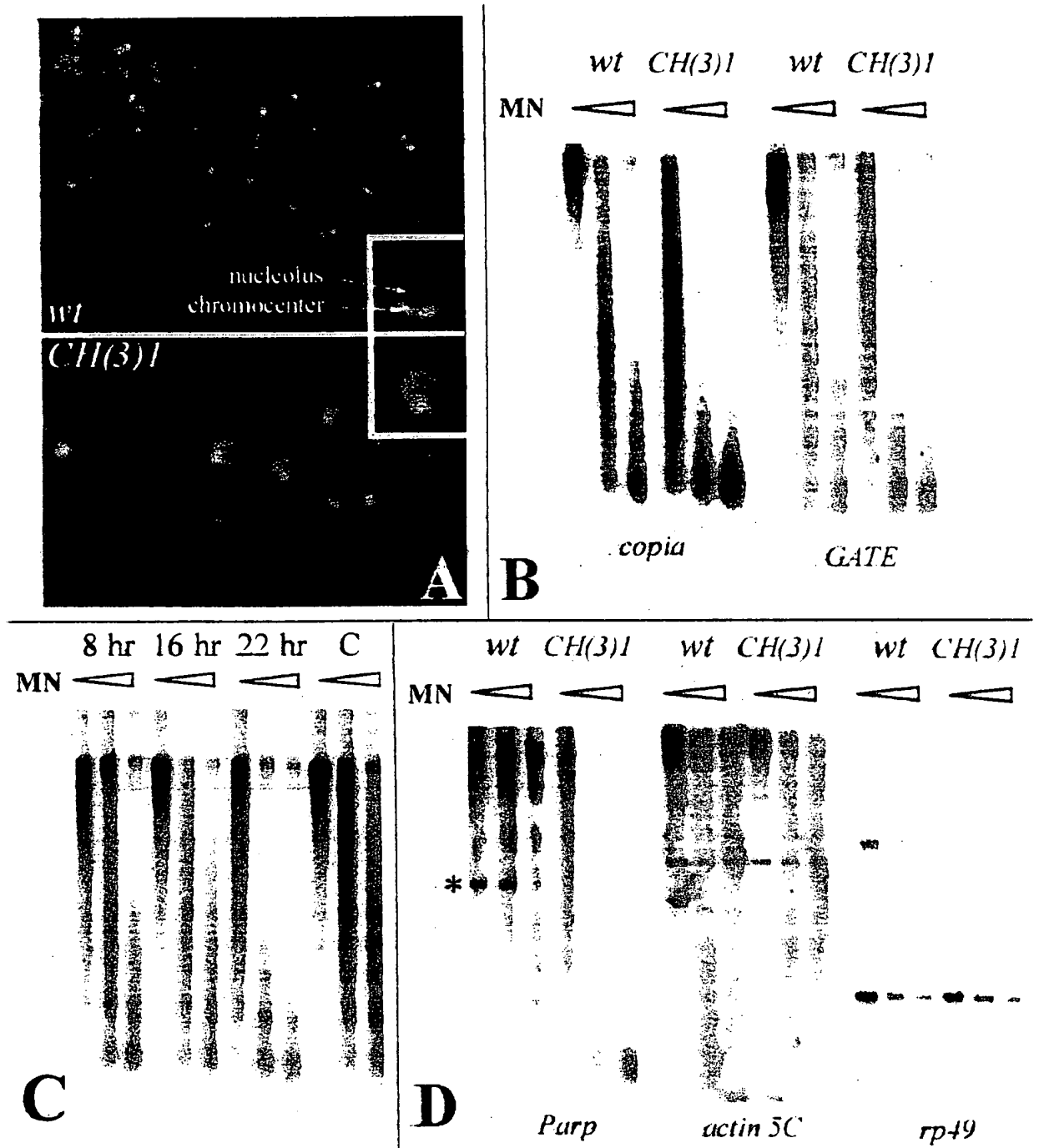
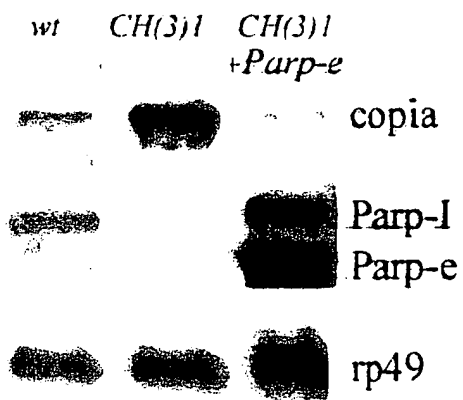
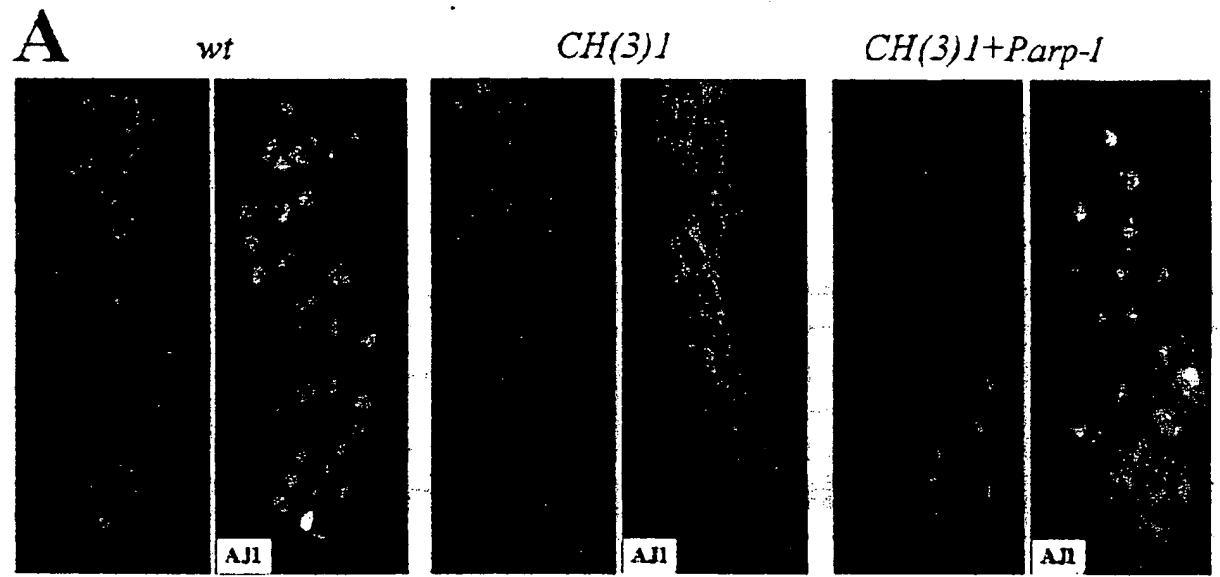
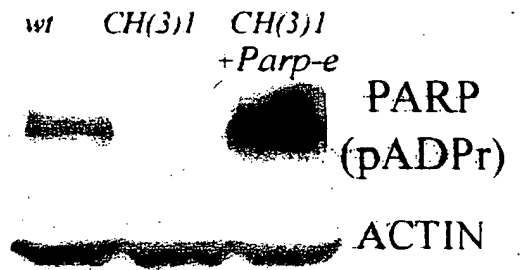


Figure 6



B



C

Figure 7

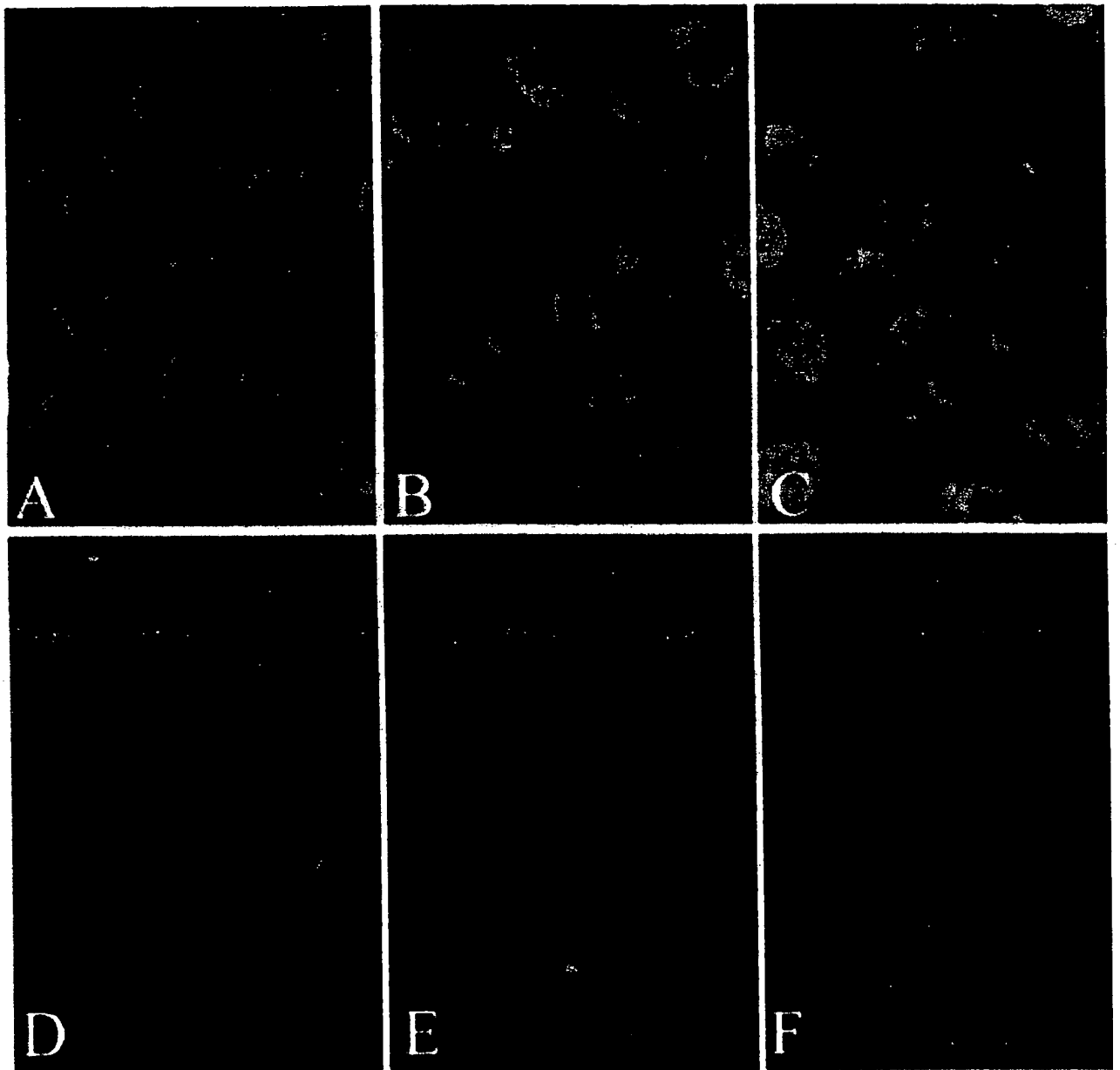


Figure 8

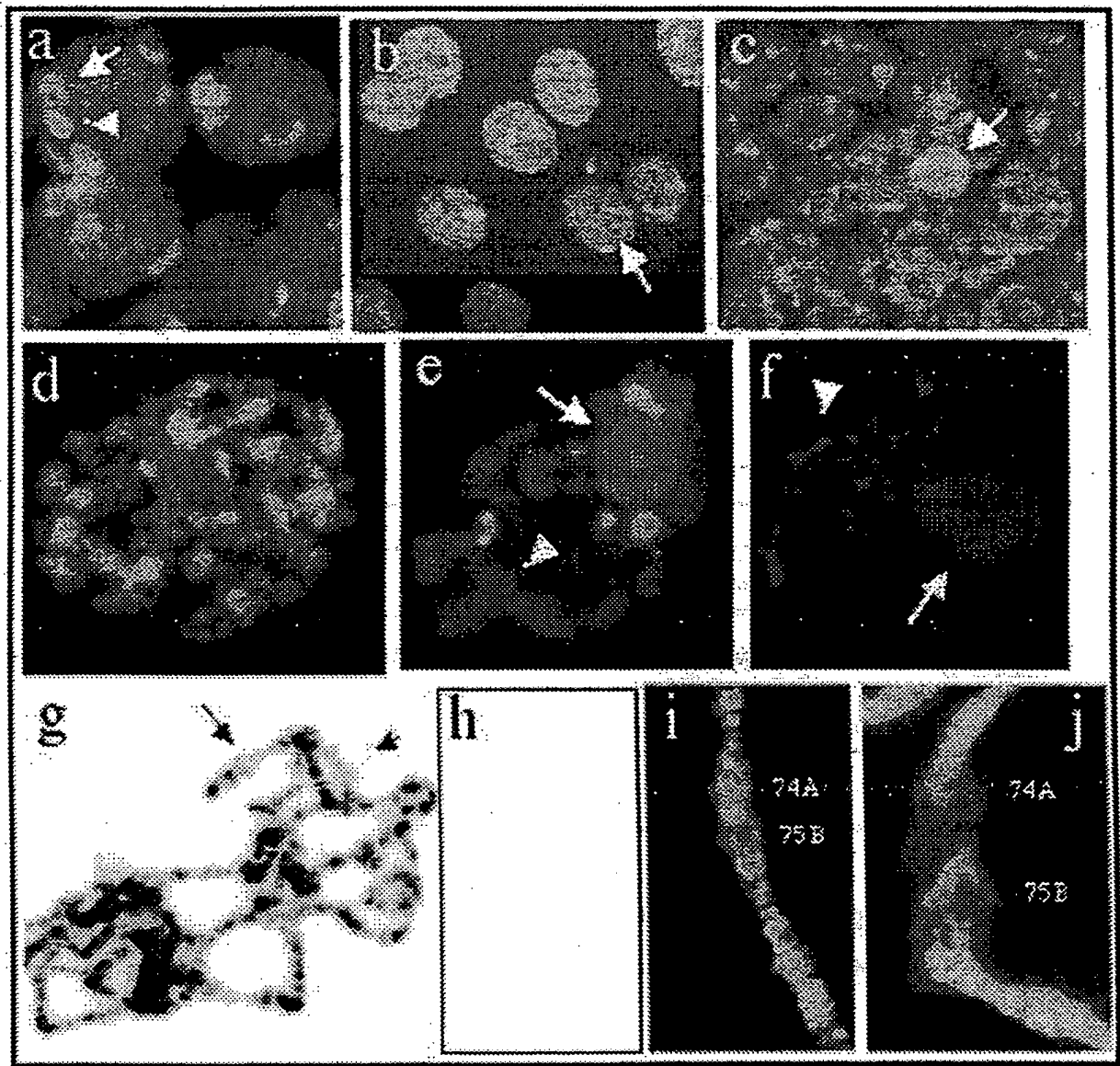


Figure 9

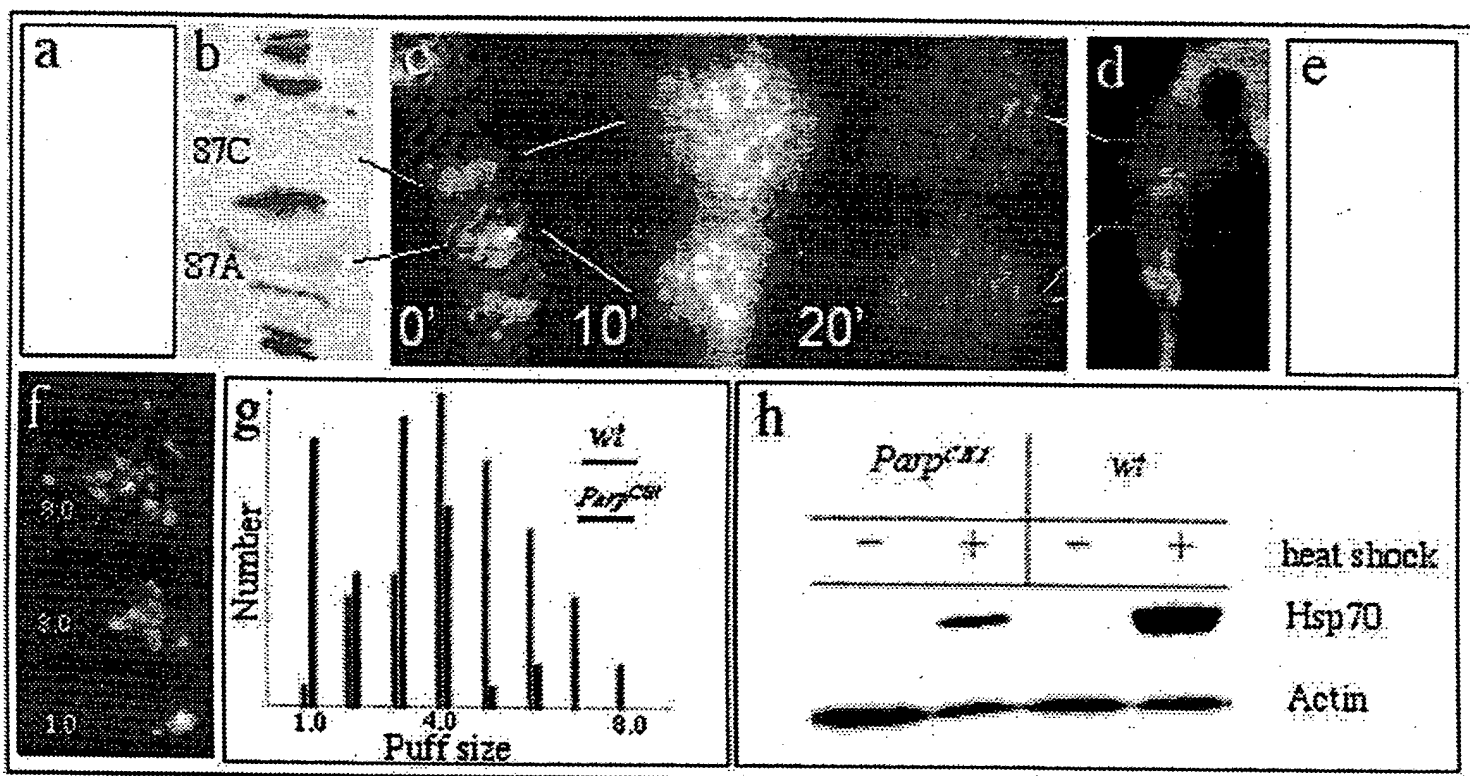


Figure 10

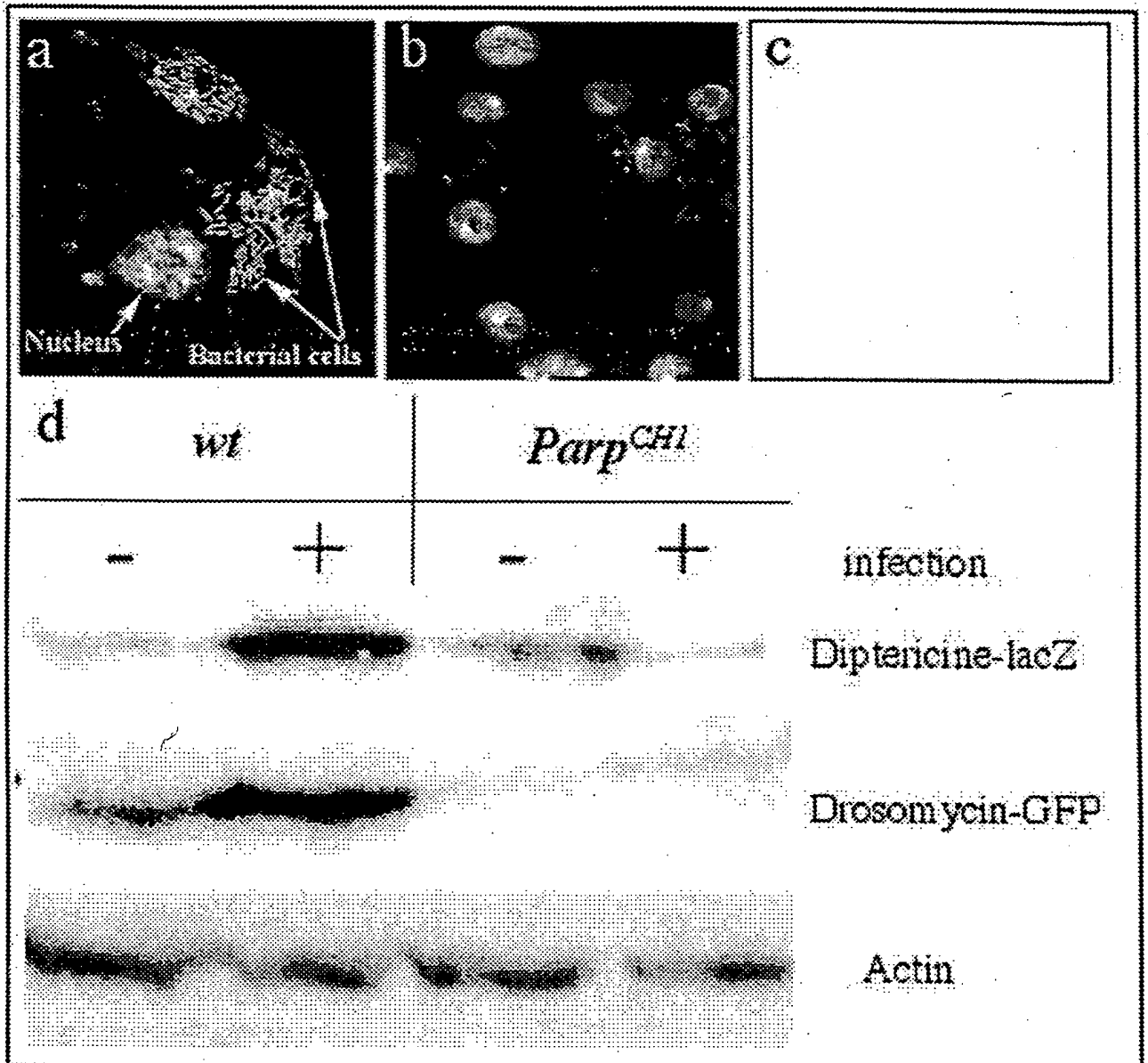


Figure 11

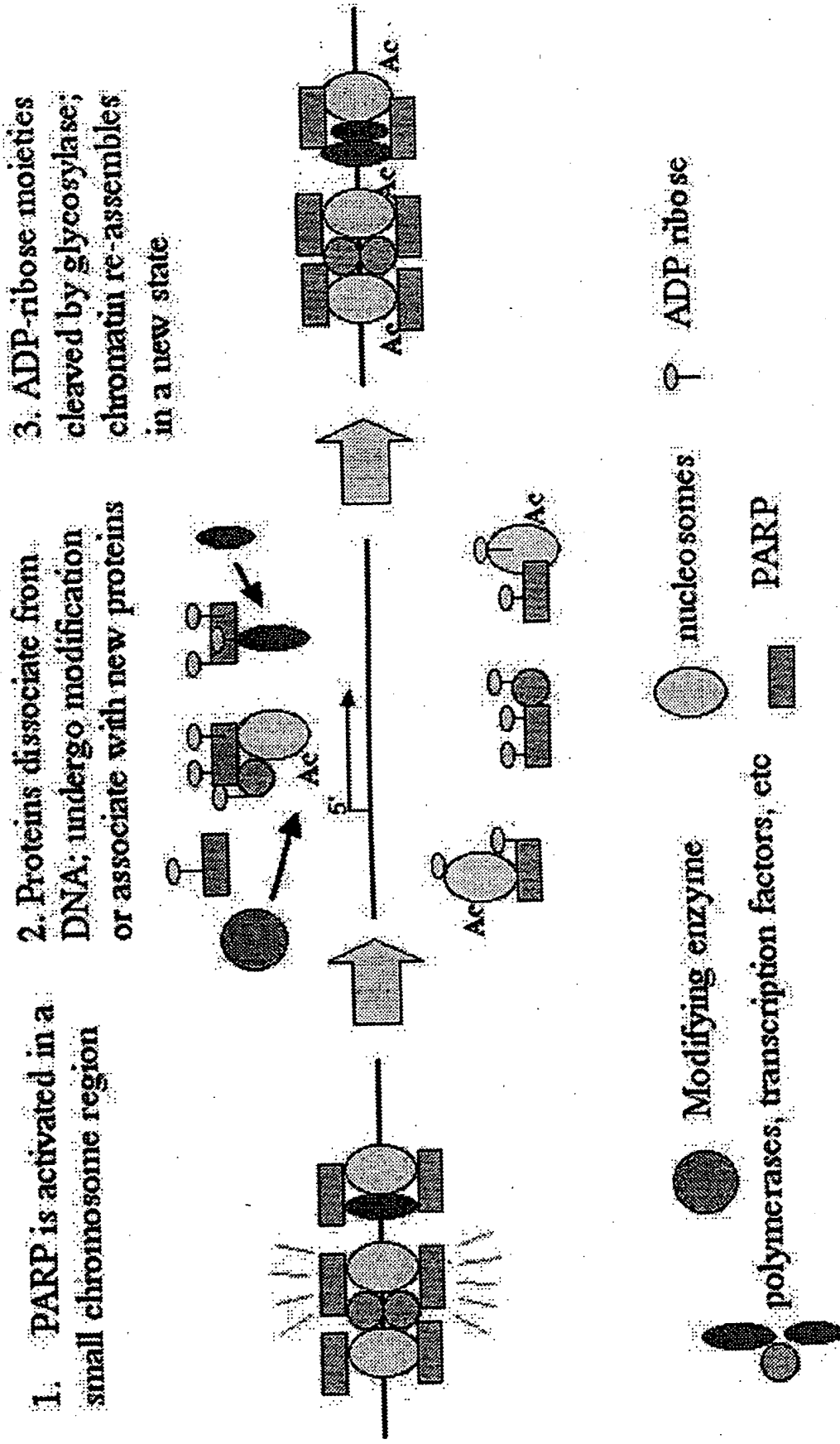


Figure 12

PARP-e cDNA sequence: SEQ ID NO: 1

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121 ttgaaagtct atcgaaatat tttcaaagtt attttccac ggtgccattt taactgtctt
181 gatttttgtgt ataccggcct ggttttcaag cttttggaaa aactgatcta aatcgagatt
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```

Figure 13

Amino acid Sequence of PARP-e: SEQ ID NO:2

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DAYFRFRDDIKNMKKKDIDILLKFNNQQPVTGDTEKLFDQTADLLTFGAIESCSECNSCQFIVNKSGYICNGNHSE
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Figure 14

DNA sequence of PARP: SEQ ID NO: 10

```

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301 ctcacgataa taaccgggta gtccaaggaa agctctgatt ttggaattgg atggctgttg
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481 tactaaacag tgtttgttaa gcaaatgtcg aaggatatta tgcattgcacc tttgaaaagt
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Figure 14 (continued)

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Figure 14 (continued)

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7981	taatttttatt	caacaaatac	gtggtcagtg	ctatttttgt	taccgtctca	tttcgcgcg
8041	ttttgcagca	agtgcccaaa	aacaaaaaga	accgttacat	tgagagagta	aaaatttctt
8101	gctcagagag	gcgcgtatgt	tttagggatg	caagaaaagg	gcctatcgat	agtgcgggtg
8161	ggggttgatg	gcttttggag	ctatcgggtg	ggtcgtgcgt	ggcctatcgt	tttatcgatg
8221	taaaaccggt	ggctagcgtt	agttaatcaa	atactattca	aatttgaata	tgtcggagat
8281	gccaagcgcg	acttttcatt	tacttcagcg	tccatattgt	ccagcacatc	aagtcgcctg
8341	cgtgttggtt	cttctgtcgt	tctaagcaga	ctaatttact	caagcgtcgc	cttcgcgatg
8401	cttttcttct	attcctcacc	ttcactcaat	tatttcatcc	ttacttcggt	tccagaaact
8461	atacaacaac	aacaacagcc	acacaaatga	tgcccactca	ataacggaac	gctttccgtg
8521	aatttcattg	ctcgtcgtc	attcttaaca	taacggatca	ataacaaaat	gtcggttaca
8581	ttctactact	caatcttgct	tgtgaaattt	tgctgatcaa	acgtgcttaa	agcgaattat
8641	taaatttaat	aaaatgcctg	gaaagagata	aactttgaag	ttacccaatt	aataaaactat
8701	aaccaccagt	tgggaaaaatc	ttttccagaa	taagtataaa	tgttttctgt	atcccgtaa
8761	accgtctact	attttttaaa	aggctcggaa	aaagaggaca	ggcttgaacc	taagagtgtg
8821	ggtgggcgga	aaattaaaaat	taaaaagcgt	gtagaccgct	ttattatgcy	aatagagatt
8881	gcgaaccccc	ggtcagatca	cttgctctgg	atatcaggca	agagtgtcac	ctaactgtgt
8941	cacacgaaac	tgtgcgccaa	gtcatcctac	gccatagata	ctcttcaaga	gttgcgagga
9001	aaaatccttt	gctatcagat	gccaatatgg	aaaagcgtca	ttatttcgct	gtgaacaagg
9061	tggatcatcc	agaagagtac	tgggatgacg	tcataatttg	tgacgaaaca	aaaattatgc
9121	tcttttataa	cgacgggcca	agcagagtat	ggcgcaaacc	gctgagtgcg	ctagaaaaac
9181	aaatatcat	tccaacgata	aaatttgtaa	aaatgtcact	gatggtttgt	ggctgtatca
9241	ccagccatgg	agtgggaaaa	ctagccttaa	tttagagcac	aataaatgcc	gtgcaatata
9301	taggaatctt	aaaaaacaaa	tttgaaggcc	ggtgcagaaa	aatttggctt	agttagcaac
9361	aacaagccaa	attttatatt	ttaagaggac	atgatcagaa	acataaagag	tgcaatgtac
9421	gcacctggcg	cccttataac	tgtggtaaag	tgatcgatac	gccccctta	gagtcctgat
9481	ctgaacccca	ttgaaaattt	gtggacctac	ttaaagaaga	aggtggcaaa	aagggcccta
9541	aaacacgaca	acagcttatg	actgcaatag	tcgaatgggtg	tgaaaagatc	ctgcttgaat
9601	atgacctaca	aaaacttatc	cattccatga	aaaaaaaaggc	ttcaacttgt	agcgtaaagc
9661	aacggggaac	atactacata	ctaaaacttt	taaaatttta	atgaaataat	ttaaaaattt
9721	aggagtaaac	ttcgattaag	tgttttgtgt	aaagagtttc	ttgaagtgtg	taaacttgga
9781	atttcttggt	tattttcttg	tatatttaat	atttttaatt	tgttttttga	tttatactta
9841	aaataaatgt	tgtttaatta	tattgaataa	aagaattgcy	tttaattaa	caaagaacct
9901	ttcattttta	ccttttaaat	caaaaattca	acttatttca	cagtttcttg	acaaaactgt
9961	attagtttct	tagctttgaa	gcgtagaagc	cagtttgcaa	aaggaaggac	aggagggcat
10021	ggttatattg	acttggctat	tcgtacttat	taagaatgta	gtgtttttat	acagccgtaa
10081	atgtcttctt	taatgcctcg	caactttttt	aaagatatta	aaatattctc	tgcgaggtta
10141	taatatgaat	ccgtgtttct	ctctccatag	tttcttaatt	gttggcaact	tatcgacgtt
10201	atcttgacgc	acatcgaaat	ttacaaagta	ctggtattac	ccattggcca	gtgcgcgttt
10261	gactactaat	aattttacgt	taataatttt	ttaagtcctt	ttacggttgt	tttggcaata
10321	aaaatgactt	ctcgcgataa	tattttcgag	gaaaaaatat	gcaatagatt	agatcattgc
10381	gtttctgatg	tattaattaa	aggatgtgag	tacgaacatt	tacgtaacat	ttttaaacgc

Figure 14 (continued)

10441	tggtatttgc	atattgaaat	atcaattttt	aaaagcaaaa	tcaaaacggt	attttaaattg
10501	gcattttatta	ccatttttta	taaccacagca	tatgatgtat	gaaaaattat	aatttggcta
10561	ggctaagtgtg	tataaagtgtg	tatggcatga	gtagacaagt	gtattgttta	aatcttgcaa
10621	actaaaaata	attttataat	taaaatgggt	tgcttaagct	aaacattcag	aaacgtaatc
10681	atacctcgca	gattttccaaa	aaacatcaaa	atatgccgaa	gttcgggata	taaaataatt
10741	ttttatttga	attgttgata	gaattatgca	aataacaatt	ttaatatctt	gttgcaaatc
10801	cttgctgtct	atgaaaattt	gcaggctatt	aggaaacgag	ttggcttagt	aagaggcaaa
10861	gttgtttgcg	attttcactt	tctcagcatt	ttgttttaaa	acggtttggt	atccaaattt
10921	gcaactttct	tcaatcttac	tctactcatt	gttcttgagg	cttttaaagc	taactttttt
10981	gtgaaaatct	ttggatatgcg	gtgtattaca	cgtttttcct	agttcggcct	tgcgaaaaac
11041	ttttaagatc	ggaatctttt	gaataatttc	gtgcacattg	gacttcctcc	atcccaccaa
11101	ttctgtaatt	ttcaaactga	tgtttcttca	taaatcaatc	agctgtggaa	tttccaagga
11161	cgattgctac	ccttttggag	tcattccaaa	gcccaacaagc	cagctcacag	aagctggggt
11221	cggaaaaatc	gaattttaga	tatttgaaag	ctaaaatcgt	ttgccacca	attagttttt
11281	atgccacagt	ccagatttcg	agatctgtat	tttcgaaaaa	gaaaattcgc	gaaaataaaa
11341	acgttgactt	tttctatcgt	ttttttttta	tacctaat	atttttgtaa	ccttaaaaaa
11401	tacctgttta	aaaatattta	tcgtttgccc	aaccttttaa	agtaactaat	tttgttaagc
11461	cacctctcga	aatattattt	ttttcaatta	ataacatttc	attaccattt	gataaaaacg
11521	tttttaagaa	tcgatattcat	cctttaaaaa	tagatttgcc	catactttaa	cattagtttt
11581	catcatttgt	ctatccttta	aaattttttt	tatttgcact	tccatttttc	tatcgtttta
11641	tttaataactt	aattttattt	tgtaacatta	aaaaatacct	gttcaaaaaa	atztatagtt
11701	tgcccaccct	taaaagtaac	taatttcggt	agcccacctc	tcgaaatatt	ttttttttca
11761	attgcaaaaa	aaaactaatt	tgctggcaac	catgggcaaa	caattccatt	tatcaaat
11821	cgattttccg	acccacgctt	ctttgggac	caccgaccac	ccaatactgc	cacaaccaca
11881	atttttaaaa	atgtgttgaa	aatgttgatt	ttactatttg	tcttgccaaa	catatctaaa
11941	aaaatcgta	caagctcact	ctaataatag	ctcaattaaa	taatttaact	aattaaatta
12001	aattggataa	ataaaatacc	actttttttc	aggtggaggc	gtaattattg	gatctgctgt
12061	atctttctta	attttaagaa	gacgagcatg	gcctgtatgg	ctcggcgctg	gatttggaa
12121	gggcatcgct	tataggacgt	gtgaaaagga	tttaaatctt	ttaaaataaa	gattattacc
12181	ttttaattca	aataaaatat	ttaattgagt	aatgaaaata	atatacttat	ttagtgccta
12241	ttaatactga	ggccttaaga	gtgttgaa	atgtgatttt	ccaaaaatat	tccaaaaaag
12301	acaattttaat	attataatcc	atgtgtgatc	accattatcc	gtcttgaaga	gaaatctatt
12361	ttgcatgtta	tacaccatgt	caggatacga	ttattttaag	aagctctcgg	agagctctag
12421	agaaagcagc	tcttttgtac	gctaaggctg	acgacagagt	gtgttcgaga	agcgataata
12481	ttgcgcgaaa	acgagcgata	aaccactgca	tgcattttta	agtggaaatc	ctcgaaagat
12541	gtcagagtga	gagcgaagcg	gacgactacg	atataatgga	acaaaacgca	agtacaagta
12601	tgcaagccca	aatcaacgga	acttaaggag	atgggtggca	acttggcaac	gatgttccaa
12661	acggcatgct	tgcaacaaca	aagtcacaga	caagggaact	tggaacaaga	aacgacacgc
12721	ttacgtcaga	cgctggaatg	atcgagacac	acacatgcgc	caaacgggat	gcaaccggaa
12781	aatgtgctct	catcgccaca	cgctagaagc	tcaagggtcaa	ggttttacaa	gcatcaaaaga
12841	aatgatagga	attctgcccg	atgttgatcc	aatcaaggga	tctatcacat	cggagcaatt
12901	catcgcaaa	gtagagcaac	tacaaagcgt	atacatgtgg	acaagtgcag	ctgtgctgtt
12961	tgcaagtgcag	cataagatct	tgattttcca	tgtttagtga	gtacggccga	tgtgcacagg
13021	gaattgatgc	gtcgcaagcg	acgcaatagc	gagtcattaa	ttgaatactt	ttatgcgatg
13081	gtagctattg	gacggcgtgc	gagtgctgat	gaaccatcaa	taaattcgta	tatcatcaac
13141	gggcttaatt	caaaagaact	cacggaatca	ttattagcga	tgaacatacg	cacttgttca
13201	gagctgctaa	agtcgttgga	aaatttgaga	ttttcacaag	agatacatca	acaacaatac
13261	aacgcaatac	aacgatgctg	atggcaagat	gaaagcagtt	aaatgttata	attgcaataa
13321	tttcgggcac	tttgacgcaa	aatgcacagt	gccacagcga	aaggaaagat	gttccaaatg
13381	ctctaagatt	gggcataatg	aaaaggattg	caagtctctca	ttggaggcca	acagtttgaa
13441	gcattcatcg	acacgggcag	tgataacacc	ctaatagaa	aagcagcagt	gccagatgga
13501	gcaatacggc	agcccgagaa	tcaaacgtct	gaaaggcttt	ggaggatctg	tggtcgaaatc
13561	gaaggagtgc	attctttcag	agtttgcata	tggaactcgt	agactcctca	cgcaaatcca
13621	ggtggtacca	aacgaagtcc	taccatatgt	attgtatgta	tatatatgtc	ctcgtgggca
13681	gagatatcat	ctgccacgat	caggaaatgc	tggttgccc	aaaattcagg	atcaaccgtt
13741	gacagcagcg	gagcaggtcg	ggtttaatgt	taacacggac	attgacccc	accaccagga
13801	acaggtgagc	gatctattaa	agagctataa	agagtgtttt	gccgaagatt	tgtcaaatat
13861	tggcaggtgc	aaaaccacga	agatggatat	agaggatatc	tttacgaaag	ccatcttggg
13921	gcggcgatat	caagtgcctg	ttgcccacaa	ggagatgatg	actaccataa	taggtgactt
13981	actgaagtac	gggataattg	aaaggagcaa	gtcaacgcac	gcagcatcag	caatattggg

Figure 14 (continued)

14041	gccaaaggca	aatggagaac	ggaggctttg	cgtggactat	cgggctctaa	acgcagtcac
14101	tataaagaag	cgatatccga	tgccgattgt	agaggagcaa	ttggcaaagc	tatccggaaa
14161	tgtatacttc	acgacgctgg	atatgacatc	cggttattac	caggttccga	tggaacaagaa
14221	aagcaaaaat	ttgacggcat	ttatggcacc	agatggactg	tacgaattta	atgtcatgcc
14281	ctttggtctg	gtgaatgcac	cgatggtctt	ccaagaagtc	attactgaga	tcataatatt
14341	aaaggaattc	ctggatgctg	ttaagttggc	gggcttaacg	ctgcgcccat	ccaaatgcgc
14401	attttatgaa	aacgaagggtg	acctttttgg	gtcatgtgat	cacgggcaac	gggattcagc
14461	caggcaatga	gaagactaac	tgcatacatg	aatatcaaag	gccatgtaac	gaaacagaag
14521	tacgcagatt	cctgggagtt	acaggattct	tcagaaaatt	tgtcaaagag	tacagtatga
14581	ttgcgtatcc	attgagcaaa	ttattgaaaa	aggatgtgga	cggatatatg	tggaagatct
14641	gccagaccac	aatgttactc	agcgcgctta	ttgtaacgtg	atgtcaagcg	accatatgag
14701	gccaatgtgt	gccttaattc	caaacctgga	tatagatgag	ccgatatatg	aatataacga
14761	cgacgcagga	atgtcaggag	aggccggatg	ttaagaggaa	gagcatgaga	gagggggagt
14821	tgcttgcgag	atgccaggga	gtgcggacgt	gtgctcgctg	ggtgaacgat	gaaggcagat
14881	gtatactgaa	gacttataac	tattgtaaca	cattaataaa	agaaaagaat	aaacatgaag
14941	gatcaacctg	acacattttt	atggtcacaa	ctgtcatata	atacttttat	atttaattac
15001	taaaaatcta	gttttcacag	ttgtcgactt	cacaaaaatc	gtccccatat	acgtacaaga
15061	cacgctttga	ggaatccata	aaacaacctc	aattcttgct	aagtgattcc	aaaaactgta
15121	actgtgcaat	atttcagaaa	atatcagtg	agaatgggca	caagaagtcg	aattaatttg
15181	aaatgctgta	tagtctttct	agagtggctc	caggctctct	cgaattttgt	tagagagcga
15241	gagagcgaag	agcgcctcag	gaacagctct	tttcaacgca	caaagtata	gcagacaact
15301	gtatgtgtgc	acacgtatgc	tcatgcattg	taaatttgac	aaaaatcttc	aaagttcttt
15361	gactttaaat	ctatatattt	tttgatcaat	tgccaccatg	cgaaaaattc	ttgttttgca
15421	ttgccttaac	gttattatta	tttgaaaata	aaatagaaat	agccaaatct	ttgtacatat
15481	tatcacaaaa	ataaatttca	aaaatgactt	tatgtaagaa	tatttgatcat	tagagtattc
15541	atcttgaggc	gtgtgaaaaa	ttaataaggc	aatgattggt	gagtgtctgt	gtccgcactt
15601	cgtgcctgaa	gatatgaaca	aagcaaagac	actagaataa	ttctagttat	catattttta
15661	tgaaatttat	gaaattacag	tagttataat	aatttctatt	gnttttctct	taattaatta
15721	gtatatattt	taagtcatct	gacttaaaat	gatgtaacat	taatattaaa	agtgtttcaa
15781	aaaaatattt	ctctttttaa	aaattgggtc	gatgagagac	aaattagaat	taaacataac
15841	aaatttaaca	aacaaattta	aaaaacttta	aaaatataat	agtcaggggc	gcgaattttt
15901	aaaatttttt	atztatcata	ttgntaggaa	attggcaaaa	ctccctaata	tgtcaatgna
15961	aatcgtttct	catcagaatg	attcggccga	aaatcgcttn	tagccaccac	gcacacatta
16021	cgcgttctcg	ctctggttta	ctcagacaag	caagcaaate	tatttttaga	ttttatgctc
16081	tnacgggagc	gacggaanag	nccattttgg	ccgtccntna	aaattgggtg	cntngcccat
16141	cccattgtcg	gtttgccnng	ttcggcttct	tggtatttct	agtgcttttg	gtagcctttt
16201	gttccaatgt	ggcttttncca	gtccggtcca	agtgcnagcg	taaccgcagc	atccanttna
16261	atccccngca	tcncatnatt	ggcatagtcc	ancgttctca	cgtggttcaa	agcngctgcc
16321	cgcnatccca	tgtgtgccta	tagcntatgn	atanatngta	gcatnatatg	cttcncatat
16381	tacggnntnc	gcaagcattg	ntacatncca	ttcttggcac	atgcatntcc	gccatnnatc
16441	cnattttacct	tttttgctta	cgcttcagcg	catgatttgt	tgtgcatccc	atnccgttct
16501	tttttcgctt	ttttttgtac	acatatnctg	attagacatt	cccgtttctc	gcgactcact
16561	tcaagccgat	caaatactct	gtagtcagtc	ttcagctgnc	agttttngna	tanagacgct
16621	ctctgaaatt	attcgtgttt	caatttataa	ttggcttcag	cgttgatctt	tgtcttcgtc
16681	ataggcggat	cctttattcc	gactcgcant	agtnnctacg	taagtggcgc	agtcggtagg
16741	atgatcctag	ttgatgcgat	attacaccta	ttcanttctc	tgtgtgtcat	ccgctaaagc
16801	tcgtacaact	tcaatatctc	gcgtcggtaa	atcggnaccn	ttggttcann	acaaaaaac
16861	ccccccctt	tttganacca	tctacntanc	cnaaacnca	gagtgtattg	gnaagtnccc
16921	nacttannat	tgtatngatg	gcnttcccgc	atangggctt	cgtgaattcg	ctgagtagta
16981	aatccacaaa	aggttactca	aaannaagcg	aaatagcaaa	gtgtgcaaca	catgaaaaca
17041	gctaaaactaa	gtgaaaacta	aataaaaagta	attacgacta	agtgaactac	aataacaaca
17101	gttaacctaa	gcgataaaaa	taaataaaact	taaccagaaa	taaacgaaga	ataataataa
17161	cagtgtaaact	aagtgaaaac	taaataaaagt	taattacaac	taagtgaacc	ataataaaac
17221	agctaaaacta	agtgaaaatt	gaataaaaagt	aattacaact	aagtgaacta	caataacaac
17281	agttaacctta	agcgaaaaat	aaataaaactt	aaccagaaat	aaacgaacaa	taataataac
17341	agtgtaacca	agtgaaaact	aaataaaactt	aattacaact	aattgaacca	taatattaac
17401	agctaaaatta	agtgaaaatt	aaataaaagt	aactacaact	aagtgaacta	caataacaac
17461	agttaacctta	agcgaaaaata	aataaaactta	gctagaaata	aacgaacaat	aacaataaca
17521	gtgtaaaccaa	gtaaaaacta	aataaaactta	attacaacta	attgaaccat	aataataaca
17581	gctaaaattaa	gtaaaagactt	aataaaactca	actacaacta	aatgaatta	aatgcaacta

Figure 14 (continued) -

17641	agtgaacat	tataataata	ataagtgage	gaacaacaag	aaacccatca	aacacataaa
17701	cttaaaacga	agacacaaac	caatagttag	aactcaaacc	ctatcccaaa	tcgcgaacca
17761	aattaaacca	caaacccttat	ctaagctacg	aacaaacatt	atcaaaantaa	tacgactnnc
17821	tatagggaga	ggatctattg	ttgtaaagta	ttggcatcta	cctaatttgn	ccaatatctc
17881	accatttcgg	ggaatgggaa	atttgtcggt	aacagttatc	tcatttagat	tctgtaatc
17941	gactaccaac	ctgcattttt	tttcccagag	gcgtctgcct	tcttggggac	cacccaaata
18001	ggagaacaat	aaggggactt	cgatttttga	acaatccctt	gttctatcat	ttctttaatt
18061	tgtttggtga	cttcttggtc	aacgctttga	gggtacttgt	anggtttacg	gtatactggg
18121	tcttcgtgtt	gagtttggat	gacatgttta	atagtactgg	tgaagggtcaa	attttcgccc
18181	tctttgtact	gaatgtctct	ttattcgtat	aggaccttct	ttaaaccattc	aacttcctct
18241	gcattttaagt	gttcgagtct	atactcggtt	cattcgcgta	actcattatt	aatcgcgaag
18301	ttggctatat	cgntgtcaac	ggacatggga	tcgagatgtg	ttacatcatt	gtccactgtg
18361	nctttaacaa	catttgaaat	gaggcatttg	ggtaatgcan	tctccttctc	ttgatgctga
18421	tgctttggnt	taaggcactt	angtgggnnc	ntaacctttt	gcattnnngc	tttgattctg
18481	ccactaaagc	ggaatcatnc	tcttggtttg	ngtcaangcg	tntggatagc	gcnccctttt
18541	ttnttcatan	agaaacttaa	atctntngac	cctagtctta	ctgaattcnn	nnnnnnnnnn
18601	nnnagacgaa	actcnacttt	attttgatng	ccgagtcocg	agctcgaatt	cacatttatc
18661	aagcttcaat	tttaaaattt	gcttctgtag	ctttgaaaaa	actaattgta	tgggatgttg
18721	aaaaaattat	tatatcattc	aaatatacta	aacagtgttt	gttaggcaaa	tgtcaaaggga
18781	tattattcat	gcacctttga	aaagtagcgg	gtgcattcct	aaggccaaac	agcattcgaa
18841	ggtattcgta	atgaccgttt	ttgatggaaa	atgcagcttt	ggatattgat	tctaggtcca
18901	tttctatttg	atgaaatcct	tttgccaggt	caatagtgtg	aaaatattga	cattttccta
18961	atgtaccaag	gatttcgtcc	attgtttgct	attggatata	tgctcggaat	agttatttca
19021	ttgagttttc	tataatcaat	tactacgcta	tactttattt	taccacaagc	atcagttttt
19081	tttttggtac	tatccaagta	gtactattgt	atggtgaatt	actatcccta	attaatccgt
19141	aatttagccg	tttccagtac	ttggttttct	actttaattt	cgtgccgttt	gagcaaaagg
19201	ggtactgatt	tgaataaatt	ggggagttat	gtgttgattt	tngtacgtat	ttaaatggna
19261	tttggaatg	gtnaatttgg	ctttcttaat	atatatatnn	atatattata	tattataagg
19321	catttggtat	gtgcaacctt	tgtatgctat	ttctatggat	tcgtgttgct	cggggctgtt
19381	gaccgaataa	ttttcgcttg	gttcagagtt	attttgattt	tcttggtcat	taattttggc
19441	gggttgaaac	tggtgttgct	cttcattaat	gaacccatga	ttttggtata	gattgtattg
19501	attgtgggta	taatactggg	gttcataata	attaagttaa	aattgttcga	agttttgaag
19561	tcaaatttcg	tcaatagaca	ttttggtttg	ttcactgtcc	gatggtctta	gtcgtatttt
19621	tagatgtttg	gatgtttaga	tggtgttttc	gttgagggta	ggtatatcct	ctgaaatgtg
19681	ctatttgagg	attttggtgt	ttgttgggat	atcgtgggaa	aggatttttt	ttaataattg
19741	gttatgtgtt	catgtattgg	acgggtctga	aataattagg	tgccggtcac	ataggttggg
19801	tgtagtcat	ctgtcgtgta	ttggtgggtc	taaatgggtg	ttgcattgcat	tgtaaaattt
19861	ggttggaagg	gttgagaata	ttgtggataa	cttgggtcgat	attgagtttg	ggtattgcta
19921	ttgaatttgt	gtgatttaga	attttgatta	agattaaagt	ttttatatcg	atttttattt
19981	aatttaaaat	taatatgttc	gtcataaatt	ccctcatttt	ttgcaataga	aattaaagat
20041	cttacgtcat	gataagttaa	aatagtgaag	aatagtattg	gtagttttat	atttatttat
20101	ttaataaata	ataaatgtaa	caaataagaa	attncgggtt	gttacctttc	aggtgtaatt
20161	tcgaaatcaa	catttgacgt	cgatttcgcg	aaaaagattg	ggnnnnnnnn	ngaattccag
20221	gaaacnctan	ntganttcaa	gtcngggccc	gaattctcct	agatttcctt	tgtaggtgtg
20281	ctccatgaag	ttcacnagta	gtttgtagtt	cggtgattgg	agcttaaattg	ctgagataag
20341	tctggatttc	aggggtggcc	aatcttcgat	gttcggaagt	cccatagatg	gtgctacttg
20401	tccgtccaag	tttctttcga	tggctccaag	taaaatcctc	tggtgtcgca	catcattcgt
20461	ttggtagagc	gaaattacgt	agtccaatct	gctgacgaag	gtgtggggag	gtttctggat
20521	cacgcttgaa	tggcatgatg	tttttagcta	acgacgggtc	tcaggggagg	tggtgtcgct
20581	tagcgcaacg	atttgggggtg	cggcaataat	tggttgtgcc	actgtaattn	tttatttttt
20641	tattatactt	tcttctttgt	ttttatttat	taaagttttc	cgacagtttt	cagggtataa
20701	tctcttataa	ttttaaaact	aatattttaa	atttggaaat	tgcaaaaatt	atattttgga
20761	attttttagtt	tatttttaact	tgtttttaact	tcttgtagtt	tttatttcga	ataataattc
20821	acttatgttt	gtattgttta	ttttaacttg	tttcacgtat	tagtttttat	ttcgaataat
20881	aattcacgta	tgtttgtatc	cttaaaatgt	tattgggtctt	ataggattgt	ttaattttct
20941	tcttttttct	tctgtgttgg	acaaccgaat	tggattttata	acccaagttg	aggttaataa
21001	agagtcagtt	gcgtaattaa	ctgcgagaat	tacggattat	acaatttaatt	ttattttcca
21061	ctcgtgggtc	tgatactttt	tgtatccttt	tgcgccagta	agatatttgt	tatatttttg
21121	agtcgaacta	atgtcccgtc	agttgaactt	ccttattcgg	atatcagctt	aagactaaat
21181	gatagtgaca	aaaatctttc	ttcccccttt	ccattttcct	tgctctttta	tatgctactt

Figure 14 (continued)

21241	ccaatgtgaa	tttactttcc	ttagcatagt	caatggtttt	ttagcataaa	atgattottt
21301	gttgatgggt	gtaagaaaaa	atgttggtta	attgttctac	caaatactat	ttcgtatgga
21361	caatatttat	gtgccatagg	aggggtcaaa	gacactataa	taacaagatg	cgtaacggcc
21421	atacattggg	ttggccaaag	accctagaat	aacaagatgc	gtaacgccat	acgatttttt
21481	ggcacacgat	tttttcgccc	tggctctaga	attatttcat	ctaaggaaat	tattttgttt
21541	tatnaggant	cgaaagctgc	aaatcgcatg	ttattattgg	cggctctgaat	tttttaagtt
21601	tcaattagca	tgtatgatat	cgtaagaaat	ttgtttgtgc	taataacttt	tttttaaaaa
21661	tgttttgaaa	gcccgagccg	cggtttagcgg	ccaaaagggtg	ccattcagga	tgacaactgt
21721	ttgtaatttt	tggtaaagaa	tggccaagggt	agggcgggca	ttacacgatc	ctccaccaca
21781	cctgaggatc	gagcggaagc	ttgtagggta	aaagaatcgt	tctctccgtt	gtaagtgtcg
21841	ttgatggcga	tttgccgccc	ttttcttaat	tggaaatcct	aattgttcca	ggacaaggac
21901	caccaccccc	acataacccg	acaaggagct	gctgaacttt	cgcgcgctgc	gtactggaat
21961	atctcacaac	aattaaataa	tttataattg	atattgataa	tttctctgtg	tgctctttca
22021	ataatttcaa	aatctaaatc	gctatcaaaa	taaagtctaa	tgnttctatg	aataaaatga
22081	tcttgtaaaa	tttgtgtggc	cttttcaagt	ggcattaaat	catattgaat	tgtggtaatg
22141	gagctccgaa	tattattgga	atgctctaca	ttatttttat	tgcttctgca	aatgttgaat
22201	atctacactt	aagaanggat	ttcttcaatt	ttactggaat	tttcattggt	tttgataata
22261	tcgattttta	attgtttatc	gtttaactta	gttctccatc	ctttgtaagt	tatagcattc
22321	gggtcccttc	tccatctttg	taacttatag	cattcggttc	ctttaaagta	tgaagtcatc
22381	taagaggggtg	atgggtcacca	gcaatgacaa	actgtcgttt	tagtaaataa	agccgaaaaag
22441	cttttggttg	cgagtaattc	tttttcgata	tctgtaattt	aattcgtgtt	cattaagtgt
22501	tctgctaata	aaggatatgg	gatggccatt	ttgagaattt	actgctcaaa	gggttaattt
22561	actatcacct	gtggttacgt	tttttgaatg	cgcctctatg	tagtcaaggt	tatgtgcac
22621	tatctttgca	ccttttttta	aacatttggg	cattggtttt	ggtagtctg	cggtaatttg
22681	aaataaattc	accataataa	cgggttaatc	caaggcaagg	tctgatttgg	aattggatgg
22741	ctgtcgttta	aaggngatgt	agttttatac	cgtaggggtg	tacgacggac	aaganggtat
22801	gccctaaaag	gaaacggagt	tnnnnnnnnn	nngaattca	catttatcaa	gcttcaattt
22861	taaaatttgc	ttctgtagct	ttgaaaaaac	taattgtatg	ggatgttgaa	aaaattatta
22921	tatcattcaa	atatactaaa	cagtgtttgt	taggcaaatg	tcaaaggata	ttattcatgc
22981	acctttgaaa	agtagcgggt	gcattccctaa	ggccaaacag	cattcgaagg	tattcgtaat
23041	gaccgttttt	gatggaaaaa	gcagcttttg	atattgattc	taggtccatt	tctatttgat
23101	gaaatccttt	tgccagggtca	atagttgtaa	aatattgaca	ttttccctaat	gtaccaagga
23161	tttcgtccat	tgtttgctat	tggatatctg	tcgggaatag	ttatttccatt	gagttttcta
23221	taatcaatta	ctacgctata	ctttatttta	ccacaagcat	cagttttttt	tttggtacta
23281	tccaagtagt	actattgtat	ggtgaattac	tatccctaat	taatccgtaa	tttagccgtt
23341	tccagtagt	ggttttctac	tttaatttcg	tgccgtttga	gcaaaagggtg	tactgatttg
23401	naataaattgg	ggagttatgt	ggtgtatttn	gtacgtattt	aaatggnatt	tggaaatggt
23461	naatttggct	ttcttaatat	atataatnat	atattatata	ttataaggca	tttggtatgt
23521	gcaacctttg	tatgctattt	ctatggattc	gtgttggtccg	gggctgttga	ccgaataatt
23581	ttcgcttggt	tcagagttat	tttgattttc	ttggtcatta	attttggcgg	gttgaacctg
23641	ttgttgctct	tcattaatga	acccatgatt	ttggtataga	ttgtattgat	tgtggttata
23701	atactggtgt	tcataataat	taagttaaaa	ttgttcgaag	ttttgaagtc	aaatttcgtc
23761	aatagacatt	ttggtttgtt	cactgtccga	tggtcttagt	cgtattttta	gatgtttgga
23821	tgtttagatg	ttgttttcgt	tgagggtagg	tatatcctct	gaaatgtgct	atttgaggat
23881	tttgggtttt	gttgggatat	cgtgggaaag	gatttttttt	aataattggt	tatgtgttca
23941	tgtattggac	gggtctgaaa	taattaggtg	ccggtcacat	aggttggttg	ttagtcactc
24001	gtcgtgtatt	ggtgggtcta	aatgggtggt	gcattgcattg	taaaatttgg	ttggaagggt
24061	tgagaatatt	gtggataact	tggtcgatat	tgagtttggg	tattgctatt	gaatttgtgt
24121	gatttagaat	tttgattaag	attaaaagtt	ttatatcgat	ttttatttaa	tttaaaatta
24181	atatgttcgt	cataaattcc	ctcatttttt	gcaatagaaa	ttaaagatct	tacgtcatga
24241	taagttaaaa	tagtgaagaa	tagtattggt	agttttatat	ttattttatt	aataaataat
24301	aaatgtaaca	aataagaaat	tnccgtttgt	tacctttcag	gtgtaatttc	gaaatcaaca
24361	tttgacgtcg	atttccgcaa	aaagattggg	nnnnnnnnng	aattctccta	gatttccctt
24421	gttaggtgtc	tccatgaagt	tcacnagtag	ttttagattc	ggtgattgga	gcttaaatgc
24481	tgagataagt	ctggatttca	gggttgccca	atcttcgatg	ttcggaagtc	ccatagatgg
24541	tgctacttgt	ccgtccaagt	ttctttcgat	ggctccaagt	aaaatcctct	gttgtcgcac
24601	atcattcggt	tggtagagcg	aaattacgta	gtccaatctg	ctgacgaagg	tgtgggagggt
24661	tttctggtat	acgcttgaat	ggcatgatgt	ttttagctaa	cgacggtcct	cagggagggt
24721	gttgtcgctt	agcgcaacga	tttgggggtg	ggcaataatt	ggttgtgcca	ctgtaattnt
24781	ttattttttt	attatacttt	cttctttggt	ttattttatt	aaagttttcc	gacagttttc

Figure 14 (continued)

24841	aggttataat	ctcttataat	tttaaaacta	atatttataa	tttggaatt	gcaaaaatta
24901	tattttggaa	tttttagttt	attttaactt	gttttaactt	ctttagttt	ttatttcgaa
24961	taataattca	cttatgtttg	tattgtttat	tttaacttgt	ttcacgtatt	agtttttatt
25021	tcgaataata	attcacgtat	gtttgtatcc	ttaaaatgtt	attggtctta	taggattggt
25081	taattttctt	cttttttctt	ctgtgttgga	caaccgaatt	ggatttataa	ccaagtga
25141	agttaaataa	gagtcagttg	cgtaattaac	tgcgagaatt	acggattata	caatttaatt
25201	tattttccac	tcgtggttct	gatacttttt	gtatcctttt	gcgccagtaa	gatatttggt
25261	atatttttga	gtcgaactaa	tgtcccgtca	gttgaacttc	cttattcgga	tatcagctta
25321	agactaaatg	atagtgacaa	aaatctttct	tccccttttc	cattttcctt	gctcttttat
25381	atgctacttc	caatgtgaat	ttactttcct	tagcatagtc	aatgggtttt	tagcataaaa
25441	tgattctttg	ttgatgggtg	taagaaaaaa	tggttggttaa	ttgttctacc	aaatactatt
25501	tcgtatggac	aatattttatg	tgccatagga	ggggtcaaag	acactataat	aacaagatgc
25561	gtaacggcca	tacattgggt	tggccaaaga	ccctagaata	acaagatgcg	taacgccata
25621	cgattttttg	gcacacgatt	ttttcgccgt	ggctctagag	gtggctccag	gctctctcga
25681	atttttgtta	gagagcgaga	gagcggagag	cgctacagcg	aacagaccaa	aattgctctc
25741	tttccgctcg	ctcccgtga	gagcataaga	aatctaaaaa	tagaatttgc	ttgcttggtg
25801	gagtnaarwm	aasagancga	gaacnaaagt	catatcaaag	acactagaat	tattctagtg
25861	ccgcaagatg	aatactctaa	tgacaaatat	tcttatataa	agtcattttt	gaaattttatt
25921	tttgtgataa	tatgtncata	gttttggtcta	tttcaaatct	attatcaaag	ataataaacg
25981	wnwggcaat	gcaaaaacaag	aattttttcgc	atgggtgccaa	ttgatcnaaa	ataatataga
26041	tttaaaagtcn	aagaacttct	aagggtgaagg	gcataattttg	tcaaattttac	aatgcatgag
26101	cntacgtctg	caccgtctgc	acacatacag	ttgtctgcta	gcacttttatg	cggtgaaacg
26161	agctgttcgc	tgtagcgtctc	tccgctctct	cgctctctac	caaaaattcg	agagagcctg
26221	gagccacggc	gaaaaaatcg	tgtgccaaaa	aatcgtagtg	cgttacgcat	cttgttattc
26281	taaggtcttt	ggaggggtag	tggtgaagca	gtattcaaag	tattgaagcc	aaatgtccca
26341	atcagttttg	gatcgtatat	atttactaag	agttctatgg	cttctttcaa	ctactccaac
26401	tgtctggtaa	tgatntgtta	taatttttaa	tgatataatt	tttattttaa	agtgttttat
26461	tcacagatca	gatattacta	aattcttatg	tctgttccca	tgtccgtaat	gaacgttttt
26521	attggaccgt	acttcagaat	aaaagattca	aatatcgctt	tggctacggt	atttgcattt
26581	ttgttttggt	tggtatggct	actaagtatt	ttgtcatgtc	acatatgaga	gtgactgcat
26641	atatgtacat	taccattttc	cgatttttgt	agtgggccaa	ttgtatctac	aaccttatca
26701	tatgcctggt	ctagtgtttc	atttatcgtc	attggtggtt	tgatatgtgt	aattattttt
26761	gtttttggaa	cgatggaatt	ttttgtgtta	ctcttttatg	tacttagaca	tatttttcca
26821	aaaatacaat	aatatctttg	caccttgacc	aaggtttttg	aaatgccagt	atgtcctcct
26881	catcatgttg	tgtagacgtt	atagcttctt	tttctatttt	ggtcaccggg	ctgagtagcg
26941	ctactcttaa	tacgtttaat	tgtaattttt	aatttttaatt	tttcattgcc	cacatttttg
27001	aaagtctatc	gaaatatttt	caaagtattt	ttcccacggt	gccattttaa	ctgtcttgat
27061	tttgtgtata	ccggcctggg	tttcaagcct	ttggaaaaac	tgatctaaat	cgagattttc
27121	aataggtaca	aatcaccaat	tttataactt	gcaatgtttt	tctttccatg	tttgaaaaaa
27181	catatcatat	ttttcagatt	gctaataaat	gtaaaatcgt	tgggctttga	ggtttttatt
27241	gattactttg	gcaattctat	tttttcattt	tcttctcttt	cgcagggaatt	ttgtctacat
27301	tgatatctgg	tagtgagtat	aggtattttt	cggttttttat	ttttttctca	ttgaaactag
27361	gtatgttaaa	ggtctctgtg	gtcactttga	actaaaaaat	gcctaccata	tacagtttgt
27421	caagaaactg	tttacacact	gtgaaataag	ttgaattttt	gacttttaaag	ctaaaaataa
27481	agggtntttt	gcttaattaa	acgcaatttt	tttataaaat	ataattaaac	aatattttatt
27541	ntacttataa	atnaaaacac	aaattaaaaa	tattaaatat	acnagaaaat	aaacaacana
27601	ttccaagttt	acacactttt	gagactgtca	agaaaactctt	tacacaaaac	actaaatcga
27661	agtttaatcc	taaatttttt	aattatytta	ttaaaatttt	aaaagtttng	gtatgtarya
27721	tgtttcccm	ttkgctttag	ctacaagttg	aagccttttt	ttcatggatt	ggacaagttt
27781	ttgcagggtca	tattcaaacg	ggatcttttc	acactcttcg	actattacag	tcataagctg
27841	ttgttggtgt	ttaggtccct	ttttgccacc	ttcttcttta	agtaggtcca	caaattttca
27901	atgggggttca	gatcaggact	ctgagggggc	gtatcgatca	ctttaccaca	gttattaagg
27961	cgccagggtgc	gtacattgca	ctcttttatgt	ttctgatcat	gtcctggtaa	aacttaagat
28021	ntggcttggt	gttgctaact	agaccgaatt	tttntgcact	ggccttcaca	tttgtttttt
28081	aacattttcta	gatattgcac	ggcagttatt	gtgctctcaa	ttaaggctag	ttttccact
28141	ccacggctgg	tgatacagcc	ccaaaccatc	agtgcatttt	ttccaaattt	tatcgttgga
28201	atgatatttt	gtttttctag	cgcactcaac	ggtttgccgc	atactctgct	tggcccgtcg
28261	ttataaaaaga	gcacattttt	tgtttcgtca	caaaaatatga	cgtcatccca	ctactcttcc
28321	gcatgatcca	tcatgctcac	agcgaattaa	tgaccgcttt	tccatattgg	catctgtatg
28381	caaagggttt	ttccttgcaa	atcttgaaga	gtacctatgg	cgtaggatga	cttggcgcac

Figure 14 (continued)

28441	agtttcgtgt	gacacagtta	ggtggcattc	ttgcctgata	tccagagcaa	gtgatctgac
28501	cgagattggg	gggtcgcaat	cactattcgc	ataataaagc	ggtctacacg	ctttttaatt
28561	ttaattttcc	gccaccacc	actcttaggt	tcaagcctgc	cctctttttc	cgagcctttt
28621	aaaacattgt	agacggctct	acgggataca	ggaacattt	atactaattc	tggaaaagat
28681	tttcccaact	ggtgggtata	gtttattaat	tgggtaactt	caaaagttaa	tctctttcca
28741	ngcattttat	taaattaata	attcgcttta	agcacgtttg	gatcaagcaa	aatttcacaa
28801	gcaaaagtna	caaaatttna	atagaagcgt	tgtaaaaagc	aatgcaaagc	caaaataacc
28861	gaaaaatcga	gttcgttcta	agaaaaagaa	cnaacaaagt	aggaaaacaa	atgtggtaag
28921	agtttcttga	cagtctcaaa	agtgtgtaaa	cttggaaattt	gttgtttatt	ttcttgtata
28981	tttaatatatt	ttaatattgt	ttttgattta	taagtaaaat	aaatattgtt	taattatatt
29041	ttataaaaaa	attgcgttta	attaagcaaa	aaacccttta	tttttagctt	taaagtcaaa
29101	aattcaactt	atttcacagt	gtgtaaacag	tttcttgaca	aactgtatat	gtgtcggcga
29161	gacagcagtt	tcagccattt	catttattca	cttcgcgatt	ttgtgcgtca	gcgcagcaag
29221	ttccgatcga	cgtcagcagt	aaaacttcac	tgaagggatc	ttcttacatg	tcccttcttc
29281	atcatattct	ctaattgtcta	tacacactgg	cgtgtgccac	attgtcatct	cgttctaaca
29341	cactattttt	gaccactcga	tcggacctca	ctcagctgca	gaggctgttc	gtgcctctgc
29401	cgcagcgctc	gacagaattt	taccgcaata	ttacaattcc	atcagaatat	gaaatcacag
29461	aaggaaattt	tggaaatgca	aaagtgcgcg	tccgacacgg	ccttcctgac	ctttcacacg
29521	tcctcgtgtg	cctaattccac	caatcaagtc	caagtcacac	aacttcgtca	acttaagaac
29581	aattaatgac	nacnagtaat	aatcagtaat	tatttaattg	gcaattcatc	tcatgactgg
29641	ttttcttttc	caaaggacat	ttccattttac	atatcaaaac	tttnaactat	ttaccatttc
29701	catgacttta	atttctcata	ataacattgg	cgtggcttct	ttnacaccaa	tctttttgcc
29761	ccggcataac	acttttggcc	ctgcgagtta	gctggtatag	tgcagtcatc	atctcttgan
29821	tnccgccata	acacttctcg	tcnngcgng	ggagctgtta	tagtgcagnc	atcatctctt
29881	gacccccgcc	ataacacttc	tcgtccctgc	gagttagctg	ttatagtgcg	gtcacacgcc
29941	attctattca	tgacgttcgc	caaagttnnc	ctttcttggg	cacgatcaact	agtgccatct
30001	ttaaactctt	ttccctcttg	ggacacagat	gtacgatcac	tagtgccatc	cctcaactgt
30061	tntctctgnt	gggagtcacc	attacattca	tgcgaatatt	natatgtncg	cttgataact
30121	aacgacttca	aattgngtcg	atgaccatct	agtacattaa	tactcogatg	atactcctca
30181	cttaacacat	gaactcatat	cgaactacta	catcctttcg	cttggcnncc	ttgcttgtac
30241	gctcattngn	tnncaacctg	cccattngct	ctgctggcat	ctgnagctat	tgaaaacaac
30301	tcaatcctgg	nngngnaaca	aaactcacgg	aactngntgc	tgacaaaagc	nctgccttga
30361	tccactatga	tgcgactggg	agctctaagg	aaagacatac	tngactcttc	tatagaatcc
30421	gctggccatg	ttaaaccaa	ngaaaaaaa	tnnttccnc	nccgcaancg	ntcntttgat
30481	ccaaaatcca	ggaancaatg	gaaantgagt	cgatatgggg	cgcccttgac	cacttttatt
30541	attaattact	ttaaacgaat	ttccaatgct	cnttatttgg	tatcccagtt	acgaaactat
30601	cggcatactt	ttccaatata	tttcttaatt	acattttatca	ttatcgctta	cttctgtatt
30661	gatgtcaaaa	agtttttcca	aactattctc	atgtgcatta	ttttgaacgg	cattgataac
30721	tttggatttg	tacatgctaa	atttattaga	tttaatcaat	aaaacgaaac	caagctctaa
30781	tatgtcttgg	ccaatcatta	tgtcgtactt	taaatagttg	tccactacaa	catgaaacaa
30841	aatatctaaa	ttcaattgag	acatttggac	tgtttatagt	atttgcaagt	ggctcttaac
30901	tacattgtca	ccaattcttc	ttaaaacaac	taggttatta	attctcttgc	cagccaattt
30961	gttacttaat	ttatccttta	ttaaagaaca	ttcggcgtcc	gaatcgaaaa	aaaaatgaaa
31021	agggctcacc	caattgaaaa	agtggactgt	tttttcaatt	gggtgagccc	tttccatttt
31081	ggaaggaggc	aggcaccaca	atgtcattaa	cgtctgtgaa	gtttacacta	gggcagctga
31141	aatagtgaag	ctttttacaa	acgccctgat	actccagaga	gtcctcagct	aggttcaact
31201	tgactccggc	ctgtgttaac	aggtctaggc	ctataatagt	gtcgaacgag	ttgagcgaat
31261	tcaataggaa	gaatggggag	gtgtgcttga	ataccttcat	aaagcacttt	tgcttgattt
31321	cggtaggacc	atgtattgag	ctcaccgaga	acggactggc	gaccggcatt	atatttttta
31381	gctcttttac	ggacttaatg	taattatttg	ccgcgcgggc	gtcaattaac	atctttaaag
31441	ttctcccage	caaccgtcgt	cgcttgaagc	gttctcattg	tactgtcga	tatcctcgac
31501	tgacgccttt	gctgcattct	catattcctg	cttggggctc	tttgcgttag	ggctcttagg
31561	cttgggattt	tcttggacaa	cattattgat	gcgctggcgt	ctgggacctg	tcgaacggtc
31621	tgaggaaattt	ctccctttat	aagtattggg	cccattttgg	ttattcctat	tgtattcggg
31681	ccgctgtctg	aacctggatg	acgcgtagac	ctccatgggc	tgangtgcct	gcgcctgggt
31741	gtcattatta	ttctgcggaa	tggattacc	ttttggtcgc	cagacaaggt	gcgtcttctt
31801	ctcctggcgt	tggctctctg	ntgtctttcc	cttgtctacc	ctggaaacng	ctcttgccgt
31861	tgcgctcggt	cctctatacc	ttggcgatana	aactcgcgaa	catgctcctt	tcaatgcttg
31921	cttnccgcttn	tttggccaaa	ccnaggcana	tgcaagtccc	tgggttttagc	cgggaagacc
31981	acagctctaa	gggacttttt	gaggcccngt	ntggnggcat	gcagggcatc	ggctcttant

Figure 14 (continued)

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32041 tcagcgttca gtaagtcage gccctcttgc tcgtgtgtca tcacaatttt gttggtgacg
32101 agcgtcaatt ttttttcgac ttctgtctag tattgcatca atggcatgtc cccttgctcg
32161 accatctcta atacctgcct cagtaggcgt acggatgtct tgtctgagta cgtgcagtct
32221 aacctagcca aaatggcatc gaaattcaac ccagtattgt gagatagtag tagggctcca
32281 gctgcgcctc gaattttgtt tcgtaggatg gctacggctt ggtaatgagc actggtagcg
32341 ttacagggct tgaatagggc gtaagcgtat atggcccgtc tgcctncagg cttngccaag
32401 acaattgggc aacagttaaa actcttcatt taagggtccct aattacttat tttattttta
32461 tagtgtttgg taattcctaa gaatatttct ccaccctgtg atgttaagat acaaatatga
32521 tgtacggatt ctacacttaa taaataataa ttttaaaaaa aacttgtttt ttgcttttcg
32581 ttttattttt ttttttagag acacttgatg ggcagccgag taaatagctt gtcaaactta
32641 catgttctgt agcgtaaacta ccttgttgac tatttgcggt ccttgatgaa gttgggcgtt
32701 atgtagatat gcatttctct gctgtgtcca gagttatgta agatatgtat ttctcttctg
32761 tgtccagagt tatttctctc ctgtgtccaa gagtcttctt tctcacactc caaatgggac
32821 acgtcggact tctacaatcg aacggtctca gcatagagcg ctgaactcca ttatggcgcg
32881 tcagcattac tttgcgtggc tacttagttg ctaagggaat gtgaacttga tggtttggtta
32941 acttgtatgc aaaattcttt gctaaaatct gggtagtgaa gaagtataga tttcattaat
33001 tcccttttaa tatacttaaa tgcgtggcgt gatttttcta taacattttg atttaatctt
33061 ctataatgat tataaaatgc aacgaatcgt ctagcttctg ctgcatttgc tggtttggga
33121 tagtttttga ttacgtcgtg acctaaatat gtaacctttt ttataaggga agtacatttt
33181 tctggatgga gttttagctt atgctgtatg cataatttga atacatcggt taagtctttt
33241 accatatgcy tctcagaaca accgattact acttaatctt ccatttataa aacgcttgca
33301 aaatttgtaa gcatgcgaac gcaagtgtca tcattctttg taagggaattt ggtgctattt
33361 ttaaaccaaa tggcaatcac gtgtagcggt attcacctgt tgaagctgag aatgatgtta
33421 tattacttga cctttcttct aattcgattt aatgatcaag aatatcttct attcttgga
33481 gatggaattt atctgctagc aatttcttgt ttacttggcg atagtcaact actagtctcc
33541 atcgcttttc cgcgactta ggcattgact tcttgggtac taagagaggt gggcttttat
33601 attctgatac agatgggtgct acaataccct ctctatcaa ttggttaact tgcctttgta
33661 ttcttggtt acgactttct ggctttttat agttttttat gtgcttctgc aaagctttgc
33721 cttctttgtc ttgtgtgtcc gtgacaacgg acaacgtgcc ggctcgaatg gaattatgat
33781 gttatcgtcc cgggtttaag acaacgtcgc gcctgggacc accttgccg accactgact
33841 cactgtccc tttcaaacac tacaggtccg tgcgtgtcc tccgcaggac cacctgtggg
33901 ctgaaatggg ttcaggatgt tatgtggcag ggtgtgtcgt ctacgggtta aggtaacccg
33961 taccacctca gctgggacc accttgtctg acactgactc cactgaccct ttaaccacg
34021 ccaggtectt gttcttcac tgcaaggatc gatctccacc tccaattgct cgtccctatg
34081 tctgctttcc gacactttct gctgtccaac gctttcacag ttcgtcttct actgactcct
34141 cctgcgcttc taactcattt tctccttcgg acggtttagc atccaccttt agactgcgtt
34201 ccttttcgtc cggtaactct ctgcactgtc cttctcgtt gttgggactg gctgcccga
34261 gctgcacttg cgtcgtccct ttataggcgc cgggatcccg ttatttcccc ttttgcgcaa
34321 gtctcgattc caacgcggtt cggtagttc acgttctctc ctcaatgccg gggttcaagg
34381 tccattaatt accgttcaac ctgaccgacc ttgactcttc ttgcattcca gccgtcttca
34441 ctgctgctag gccgctcccc tgcaccggaa tttgtgggga gttttaagac tctttacaaa
34501 acatcgatct ttcatatgac ttcagatctt gcaggcagaa ttaatttatt ttcaaaaagaa
34561 tttatacgtg tatacgtgtt tatgttctct atgttatttg gccctactgt gaaccaatca
34621 tcttggctct ggaatttcaa aatacaagtg tacttcttta taaagcccaa gccaaatata
34681 ccatcacctg gtgtatttta ttgattattt ctgcacttta ggagtaaaat atcaacacct
34741 ttatctatta atgtcaacat gaataatttg tccggggtat tttggctagg gggtttcttt
34801 tatttctgga tgcgtggaat gtctgtcata cttagcagtc ttacacacca aacactgact
34861 cgcgatagct aaaacttttt cctcatttta ggaatgtata ctcttctgga caactgagct
34921 ttattttcca cagcatttct gtgtgctctg ttatgtgtcc taagtatttc ttctcttctg
34981 tcggtctcgt taacaaggct ttttaacttta gtttgacaga atctaactct gaaacctga
35041 aaatggatgg ggtagagaat ttgtattttc cccattacat cctcagatgt gaaaattcca
35101 ttaatcacgg atgggttaag atattccttc aaatctgaca agagactatc aggtgtgaac
35161 aatttacgat ctactaaata cctatcgaat gtagggaatg gaatgctaaa tgagtaattc
35221 tctgactcgg acttcttgaa gaaaatttga tttttaaatg catttatcgg gatttgaacg
35281 ctacgtatca acccatggct cgaactgtcg gagctgtgca ttggtaaaag ctactgtgtt
35341 aatctgttct actgtcggct ctttggacaa aacgtcgggt acagtatttt ctttgcttgg
35401 cttatagaaa atctcgtagt catattcttc aaggtagctt tccatcttt taatctctgc
35461 attctcaate caactactga gagaatgggt cagaggctga tggctgttaa agattttacc
35521 tttgctttac cggaaaggta agtttttagc ttttttagag ccagataag aagaatctga
35581 tgaaaccacac ttttcagatc gagcactgag aaaatcttgg tgctccaatt gtgccaacac

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Figure 14 (continued)

35641	ttcattaatg	cagggatatg	gtatctgtac	gctactggta	ccatattaag	tttccgggag
35701	tcaattacca	ccctggaatt	tttctctttg	ccaaaaggag	tcgagttttt	tttggggaca
35761	atccacactg	gtgaatgatg	ggacctgagg	tcgaatgatt	ccatcgggta	aaaggggtcg
35821	aatgatcgca	tccgtgtaaa	agttcggaaa	tttgtttgtg	tacctcgtct	ttaagagaca
35881	ttgggtactg	atagaatttt	gagtatattt	ggcgtatccg	atatagttcg	gattgtctgcc
35941	cttacacttg	ttgtgtaggt	tagtttttga	ttcgggtctg	cgaagagacc	tgaatacgat
36001	atcaattatt	ttattcaata	tcattctctg	ttccacctct	aagtgtttta	ttctcggact
36061	aattgtgcta	acagcctcga	actgtttttc	tttgagaaca	actcttttcc	cgttttccag
36121	tgtcatgggt	aggttcttca	aatcaatttg	cgtctccatt	cccttcattg	tgtctttgcc
36181	aagtatggcg	tcaaaagtct	tcagcgttgg	taacaaaaaa	aattttattt	cgaaatcgaa
36241	aaaaaactct	tttgtaatgc	gatattttta	catcaccgcc	tggagtatca	gctatgtaag
36301	gcttgttatt	tggatcgcg	ttcgtcacca	aattgggtcg	gatgtaattt	ttattagagc
36361	ctgtgtcaat	caacaccctt	aaaacctttc	cactccccc	tctacattcg	aagtatggta
36421	gtgaggagtc	ttctactcta	aaaaatgcaa	cacgtgggtct	cgttgttcgc	tgtccaaatt
36481	gtctatttgt	ccatcacagt	attcatttag	tgtgcggttt	atattgttct	gggtttcata
36541	atcttgcata	gaccgttgat	agcctgtcat	gcttgaactg	gaccagttta	cttcaatact
36601	tggctgtctc	atgttcactg	tttggatggt	gtagttcttt	tgtcgtttgt	ttatgtccga
36661	gtgtggtcta	ttcatataat	taatgtttcg	cgtctgtaca	ctgccgtcca	cgtcccatgt
36721	gttctggtct	tggttgtggt	ttggtcgcaa	agggacgggg	tggggcattg	tattgttgcc
36781	attgctgttg	atagttttgt	cgggtgggaa	tgaacggtgc	attaccgaag	ttagacacgt
36841	gttgcccttg	cgccgggaat	ggctggccta	aatattgtgg	aggtctcttc	atgggatgtc
36901	gtggaggggac	cggtggaggc	tgtcgatnnc	caaaggcatt	cgacggctga	aaattgcggg
36961	gtgccgggaat	gggtttttcg	tttctcttga	aactcgactg	ttgaccctta	ttcgcgcgat
37021	gggttgggtga	cctgaanagt	ttgattttca	agtttaaggc	aataatgtaa	agctgagggg
37081	agatcagctg	gctcttttat	tgccaaannn	cgaggtaaat	ctcctcgaa	gcctctgata
37141	aaagtatcca	gagctttttc	tctgtacatt	tttgtaacaa	agtgtctcga	ttctcggctc
37201	atattgcatgc	agccgacttt	atttagaata	agcgacagat	ttttgtagac	gtcttgggtg
37261	aagtcttcca	ccgactgctg	gtggccttga	accaaagttg	acatttggtg	ttccaaggta
37321	gttatgtccc	gtttatctgc	gtaatgcaga	gtgagacatc	tcgacatggc	cttccagttc
37381	agcggaatgc	tgtaggactc	gagtgcacac	tcagcacttc	caacaatttt	atttcttatg
37441	gtatgaagta	taccataata	ttttggagta	cccacaaatg	gggtataagt	ctccatgatt
37501	ctatcaacgc	tctttttcca	agaccggaat	tctgctggat	ttccagagaa	ttccctgatc
37561	gatttttacga	tatcaggcac	cctgtcaaa	gtcgtctaat	tatttctgta	ttcgggctcg
37621	ccgacctggg	cgcaccttga	tgtcacgta	cagaaagtca	agagtatcgt	tantcattgt
37681	tttatcagcc	cnngttaaact	tggtccnncg	tttgccaatt	aatgctgtct	actgtnnngac
37741	actcatgtct	acgcgatgct	gttcagncca	ggtcgggtct	tttctgaggg	ttaaaggctct
37801	ctcatttgaa	ctgaaagctg	agggctcttat	tatattatta	gggttttcca	tgtgggcttt
37861	aaattcgggc	ccaaaacntg	cataaaacaa	gcntaaacct	aaacaaattt	gaacttaaca
37921	aaagttgtgg	gcagaaaata	tggaaatgcat	ttgcttactt	ttctttcgtt	ttttttttta
37981	attttgcgtg	caataataat	ttagcttgcc	gcggcaattt	tgctttcaga	gcattgtacg
38041	agaaaagaat	tgtttctttc	agaagatctc	taggaactgg	gttgaaaata	taataaaata
38101	atattaccaa	taataataat	ataataataa	taatataata	ataaaaaat	aaaaataata
38161	atagaataat	aataatataa	tataattata	tatatatata	tagtgacata	tccataagtc
38221	cctaagactt	aagcatatgc	ctacatacta	atacacttac	aacatataca	ccccaataca
38281	acatacacta	ctccggatgt	acccaacaga	tccagaaaga	ataagattgt	taaaaaaacc
38341	caattctaga	taagtcaccc	tggtagacta	aacatccgcc	cctaatttaa	acaattcctt
38401	gcttaagcct	caccccatcg	tcacattccc	acgttcaatg	ctcggacccg	aatcccgaa
38461	aaacaaaagt	atcgatttca	ataaacaat	tataagaatc	taagagcact	tgtatccaag
38521	agcaaatgca	cttgaatcca	agagaaacgc	aaagcttttt	ctcttcacga	tcagaatcct
38581	aaagtctaaa	gtccatatta	gaaaagctcg	ataccgaggc	ttgaacgtca	atcaaatcag
38641	aataattatc	agagttcagt	ttgagaccta	attgtaaaa	gtcgggtgtc	ttctcaaata
38701	aaaagattgt	aatcatttag	tgaataaaaa	attatatttt	tttactttat	aaatattgca
38761	agtatttaat	tatatataat	atatataata	tataataata	tataataat	aatatataata
38821	tataatata	ataataataa	tataaaaaata	ataataataa	aataataata	ctataataat
38881	aacaataata	taataataat	atagtaataa	taataataata	ataataatat	actntatttt
38941	tttgnatata	ttattttttta	tcatgggtgg	atgccagaat	attaaattgc	tgttgnatgn
39001	gntgatgata	atgtcgtctg	gggtgttttg	gtactatttg	nttcttctga	ttcggagttg
39061	tcgctagctc	acttttgtct	cccgacttcg	agcgtgttta	aatttttaata	tttttcttgn
39121	gtacttttca	ggttcntggc	ggctctcccc	ttcttcttct	gntcttttct	tggcttctct
39181	tcgggtgggtg	caagcttcag	cttctctaca	cacagcctac	tganctagaa	taacannact

Figure 14 (continued)

39241	ctccgcagat	ggaattttaa	gcaatacaag	nggtaaatgg	ggattaatat	cctagaggna
39301	tgctatgaat	aacccaaaaa	tcaccncact	acaattttgt	caaatcgata	gttccgcaag
39361	tttccaagcc	cagactaaca	agttaaaaga	agtgttttgg	aattatcaat	cacaaagaat
39421	ctaaacatcc	taggagcaca	tccaagaggg	ggcgaanntt	cacttgaagt	tccgagacaa
39481	ctggaagttc	cataaagctc	aattttacaac	ggccttcaaa	agctcattag	actaaagtnc
39541	caaagttgat	attcaaaaagc	tagagaacga	tacttgaacg	tcaatcaatc	tgatcaataa
39601	gttaagtcca	gtttgagacc	taaataatgg	ttttaaaaaa	aagtgatatt	tttatgaaag
39661	attgcaaatt	gcatatatat	atatatatat	atatatatat	ttagatgcaa	actcantgca
39721	tttggggaatg	caataaaaaa	aactaagtta	atTTTTTaaat	ttgtcaatac	gaaacacttt
39781	taccagtata	tatatatata	tatatTTTtac	tattaacaaa	ttaagcaaac	acgatatttt
39841	ctacagtggga	ttgcaaatgc	atgaaggaag	gaacttaacg	gttaaaccggg	aaacaaccga
39901	aatttttgccg	cgcgtgccaa	aagagtgtcc	atatttttaa	gatactaatt	taaaaaaaat
39961	tacatggaga	tatatatatc	aaacgtggac	gattcggcgt	gatccataac	gactttttaa
40021	aaattcttaa	ataattggaa	atcaatatat	atatattctg	acgtatttgg	tccaaccacc
40081	ggcacttaaa	attatttccag	gagaccctat	aaaaaacagt	ataataaagt	aatcggagct
40141	gcggcagctc	cgtttaaaac	tcgtttgaat	gtgcagcgcg	gcctcagccg	ttgttaaaca
40201	tttatccctc	ggggactttg	ttanctctgt	ttcanaagtt	cctattcaat	ttcggnaatt
40261	cttttaccng	ttggnattgt	tagatccngn	aatctttttc	tttgaaatcc	tctggtaatt
40321	cattttgggtc	attattaaga	tagtattaga	ctatcaaaat	tgtaggtccc	gatatgtcca
40381	aataanaggg	gtttattgtt	tattttgtgg	taatatggc	gtgcttcggg	taaacattct
40441	accaatatat	gtataggcag	gcgtgctnat	ttattgtgtc	tttatgtaca	aacnngtctg
40501	tgtgaaacat	ttgtatgacc	ttatcgTTTT	ggtaagatct	tttattaata	tctgccagtc
40561	caattatatt	gcttaataag	acataaatca	gaggtgcagg	gcgggactac	taatattcct
40621	cttgtcgata	gtgggtattc	ttcctttacc	agtatatattc	gtttttttat	tttttttttt
40681	ttattttttat	attttattca	tgatttacaa	tttaaaccctc	ttaatcattc	atatcatatt
40741	ttactttttt	taggaaaatt	ttaattttta	caattttctac	catagttttat	ggtgccttta
40801	tttttccttt	taattttcaa	acgtagaatg	agaccaggat	gtttttaactt	caatctggct
40861	tactgttttt	tgccataaatc	gatgagaagc	gcttccgggt	tagcttgacg	cgaatcggct
40921	tatacatatg	tatagtgaac	tatccataag	tccttaagac	ttaagcatat	gcctacatac
40981	taatacactt	acaacatata	caccccaata	caacatacac	tactccggat	gnacccaaca
41041	gataccagat	aagaaaaaga	ctgttatatc	atcctcgaga	atagaaanaa	ccccatttct
41101	agataagtca	cccactggta	gactaaacat	ccgtccccta	atttaaâcaa	ttccttgctt
41161	aagcctcacc	ccatcgtcac	attcccacgt	tcaaagctcg	gagccgcaat	ccgaaaaaac
41221	aaaagtatcg	atttcaataa	acaaattata	agaatctaag	agcacttgta	tccaagagca
41281	aatgcacttg	aatccaagag	aaacgcaaa	ctttttctct	ttacgtacag	aatcctaagg
41341	tctaaagtcc	atattagaaa	agctcgatac	cgaggcttga	acgtcaacca	aatcagaata
41401	attatcagag	ttcagtttga	gacctaatg	taaaagggtc	ggtgttcttc	tcaataaaaa
41461	agattgtaat	catttagtga	aataaaaaat	atattttttt	cacttataaa	tattgcaagt
41521	atttaattgg	cgcagtcggt	taggatccaa	taaaataaaa	gagtcttttt	agtacggtag
41581	tgatcaactg	aaggatatgc	tatacgacta	gctatccaag	atcagcgaat	taaaatagtg
41641	attcaaaaat	attttttta	ccgcaaaaga	atctacgtga	aagtagtatt	caaaataaaa
41701	tcccgtgcgg	tcggaaacaa	aaattaattt	aaatttttta	attccgaaac	ttaaaaccaa
41761	gtttaaagaa	aacttaaaat	caagaaaact	taaaaccaag	tttaaagaaa	acttaaaatc
41821	aagaaaactt	aaaaccaagt	ttaaagaaaa	cttaaaatca	agaaaactta	aaaccaagtt
41881	taaagaaaac	tcaaaatcaa	gaaaacttaa	agccaaaata	agctagaaaa	ctaaaagaca
41941	tcatggcagt	cccacaactc	tcagaaacac	acctaaacca	actgctaaac	caaatcaaa
42001	aattaaacta	ctacgatggc	gcacctggca	aattatctgg	attcgtcaac	caagtggaac
42061	aactgctcag	tttatacc	acacaggaag	caagacaggc	acacgtcata	tatggagcag
42121	tgaagcgggt	attagtggat	tcagccttag	aagtcgtaac	ccaggaaaga	gctaacacat
42181	ggctggacat	gaagaaagca	ctggcaatgg	cattcaaaga	ccatagacct	tatgtaactc
42241	tcatcagaca	attagaagac	atatcatacc	caggaagtat	ctgtaagttt	atagaaaaat
42301	tagaaacaca	atactggatt	atgttcgata	agttagaatt	agaaagtac	catgttgata
42361	aatcgaatta	taccgaaatg	ttaaacaaaa	ctgttaaate	agtaatagat	cgaaaactgc
42421	cggatagaat	ttatatgtct	ttggcacgta	aagatattga	tacaatttat	aaattaaaa
42481	aagcatcaat	ggaattaggc	ctttatgatg	ctattccaga	aaatcaccgt	tctaatagaa
42541	cagaaatgaa	taaacgtagg	aacaggggaa	actataatca	aaataaat	caaaaatatt
42601	acaataatag	aaatcacac	tacagtaatt	attatcctag	catgaatcag	aatcataata
42661	cacaaccacc	tcagaatccg	actcaacct	tgacaaatca	aaaccaatat	tcaccgcgtt
42721	tcataccgaa	taatcaagaa	gggaattatt	atgcatttag	acgagactta	acacaagctc
42781	agcagaacaa	cccactta	aacacctta	acttccaacc	ttcgacatcg	aataatatta

Figure 14 (continued)

42841	acagacaagg	gccagtaaaa	agacaacgcg	agagtcagag	tgaccaaagc	aggatggatg
42901	taaattttca	tcaagctgcc	tcggacactc	aaatgataga	gaaggacata	caagtcacct
42961	tgtaaaaata	attcatcata	ataaaaatta	taagggaatg	atcgatacag	gatcatcaat
43021	taacatcata	agagaaaatt	ttgagaactt	agaagaaaag	gaagaaaacc	taatagtata
43081	cactattaaa	ggaccaataa	cactaaagag	aagtataata	ataaaacct	cttcagtatg
43141	tccgtctgct	caaaaattct	acattcacaa	atcttctgat	aactatgatt	tcttggttagg
43201	tcgaaagtat	ttagaagata	caaaagctaa	aatagattat	gctaacgaaa	cagtaacact
43261	aggctcaaaa	gtattttaagt	ttctctatga	agaaaagaag	ggcgagaccg	catccaaatg
43321	ccttgaccca	caagaaaaga	atgattccgc	tctagtggac	agaaccaaac	caaaaatgca
43381	aaaggtttaag	accgcaccta	agtgccttaa	accaaagcat	caacagcaga	agaaagagac
43441	cgcattaccc	aaatgcctca	tttcaaattg	tgtaaagac	acagtggaca	atgatgtaac
43501	acatctcgat	cccatgtccg	ttgacaacga	tatagtcaac	ttcgcgatta	acaatgagtt
43561	acgcgaatgt	aacgagtata	gactcgaaca	cttaaagca	gaggaagttg	aatgtttaaa
43621	gaagttccta	tacgaatata	gagacattca	gtacaaagag	ggcgaaaatt	tgaccttcac
43681	cagtactatt	aaacatgtca	tccagactca	acacgaagac	ccagtatacc	gtaaacccta
43741	caagtacctt	caaagcgttg	accaagaagt	taacaaacaa	attaaagaaa	tgatagaaca
43801	agggatttgt	cgcaaattcg	agtcacctta	ttgttctcct	atctgggtgg	tcccaaagaa
43861	ggcagacgcc	tctgggaaac	aaaaattcag	gttggtagtc	gattacagga	acctaaatga
43921	gataactgtt	aacgacaaat	ttcccatctc	ccgaatggat	gagatattgg	acaaactagg
43981	tagatgccaa	tactttacca	ctatagatct	agccaagggt	tttcaccaa	tccaaatgga
44041	tgaaaattct	attgcaaaaa	cagctttttc	aactaagcat	gggcattatg	aatatactcg
44101	tatgcccttt	ggtttaaaaa	acgctccagc	tacttttcag	agatgcatga	ataatcttct
44161	ggaagattta	atctacaaag	actgttttagt	ctatttagac	gatattattg	tttattccac
44221	tccattggaa	gaacacattt	tatccctaaa	gaaagtcttt	gaaaaactga	gagacgctaa
44281	tttaaagttg	caactagata	aatgtgaatt	catgaagaaa	gaaactgnca	aaaactgtca
44341	caaaccgcac	agttgacctt	tatttgccgc	atggtttgac	ctgaaagttt	gattttcaag
44401	tttaaggcaa	taatgtaaag	ctgaggggag	atcagctggc	tctttttattg	ccaaaaggcg
44461	aggtaaattct	cctcgaaggc	ctctaataaa	agtatccaga	gctttttcaa	catttttcta
44521	acgaagtgtc	cggattctcc	gctcatttgc	atgcagccga	ccttatttag	aattagagaa
44581	agatttttgt	agacgtcctg	gtggaagtct	tccaccgact	gctggtggcc	ttcaaccaa
44641	gttgacattt	ggtattccaa	ggtagctatg	tcccgtttat	cgacatggcc	ttccagtcca
44701	gcggaatgct	gtaggactcg	atgccacatc	agcacttcca	acaattttat	ttcttatggt
44761	atgacgcata	ccataatatc	ttggagtacc	cacaaatggg	gtataagtct	ccatgattct
44821	atcancgctc	ctttttccaa	acccaaatc	tgctanattt	ccagagaatt	cctgataga
44881	ttttacgata	tcgggcaccc	tgtaaaagtc	cactaaatta	ttctgtattt	cggntcgatn
44941	acctgatcgc	tcacgtcagt	aaagtcaaga	gtatcgttat	tattgtttt	tcactgtcca
45001	ggtaaaaactt	ggaccaccgt	ttggccaatt	aatgctgtct	actgttcgac	actcatgtct
45061	acgcgatgct	gttcaggcag	gtcgggtctt	tctgagggtg	ccggtctctc	atttgaacta
45121	aaagctgagg	gtcttattat	attattaggg	tttgccatgt	gggctttaaa	ttcggacaac
45181	acctgcataa	aacaagccta	aacctaaaca	aatttgaact	taacaaaagt	tgtgggcaga
45241	aaatatggaa	tgcatttgct	tacttttctt	tcgttntttt	tttttaaatt	ttgcgttgca
45301	ataataattt	aagcttgccg	cggcaatttt	gctttcagag	cattggtacg	agaaaagaat
45361	tgnttctttt	agaaganctc	ttangaactg	ggttggaaaa	tataataaaa	ataatattac
45421	caataataat	aatataataa	taatnatata	aaaataataa	tataataatn	ataatataat
45481	aataaccatt	ttannattat	taatttnnna	attatnattt	attatattat	aannttaata
45541	atgtggnaac	ctaaggntaa	tatggggggg	tggatgccag	aatattaaat	tgctgttggt
45601	ggtgnnnntg	atgataatgt	cgctgtgggt	gttttggtac	tattggttct	tctgattcgg
45661	agttgtcgct	agctcacttt	tgtctcccga	cttcgagcgt	gtttaaattt	taatattttt
45721	cctggtactt	ttcaggttcg	tggcggtctt	cccctcntct	tcttctgtct	ttctctggct
45781	tctcttcggt	ggggtcaagc	ttcagcttct	ctacacacag	cctactgac	tagaataaca
45841	ctactctccg	ctgatggaat	ttaaagcaat	acaaggggta	aatggggatt	taatatacta
45901	gaggatgcta	tgaataacca	aaaaatcacc	cactacaatt	ttgtcaaate	gatagttccg
45961	caagttttcca	agcccagact	aacaagttta	aagaagtgtc	ttggaattat	caatcacaaa
46021	gaatctaaac	atcctaggag	cacatccaag	agggggcgaa	attcacttga	agttccgaga
46081	caactggaag	ttccataaag	ctcaattttac	aacggccttc	aaaagctcat	tagactaaag
46141	tnccaaagtt	gatattcaaa	agctagagaa	cgatacttga	acgtcaatca	atctgatcaa
46201	taagtttaagt	tcagtttgag	acctaaataa	tggttttnaa	aaaagtgata	tttttatgaa
46261	agattgcaaa	ttgcttttta	taaaaaatat	atatatttag	atgcgaactc	antgcatttg
46321	ggaatgcaat	aaaaataact	aagttaattt	ttaaatttgt	caatacgaaa	cacttttacc
46381	agtatatata	tattttttta	ctgattaaca	aattaagcaa	acacgatatt	ttctacagtg

Figure 14 (continued)

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46441 gattgcaa at gcatgaagga aggaacttaa cgggttaa acg ggaacaac acc gaaattttgc
46501 cgcgcgtgcc aaaagagtgt ccatatTTTT aagatactaa tttaaaaaaa attacatgga
46561 gatatatata tcaaacgtgg acgattcggc gtgatccata acgactttta aaaaattcctt
46621 aaataattgg aaatcaaatt atatatattc tgacgtattn ctgggtccaac caccggcact
46681 taaaattatt tcaggagacc ctataaaagt ataataaagt aatcggagct gcggcagctc
46741 cgtttaaaac tcgtttgaat gtgcagcgcg gatcctcagc cgttggttaa catttatccc
46801 tcggggactt tgttanctct gtttcanaag ttcctattca atttcggaat tcttttaccn
46861 gttggnattg ttagatccng naatctTTTT ctttgaaatc ctctggtaat tcatTTgggt
46921 cattattaag atagtattag actatcaaaa ttgtaggtcc cgatatgtcc aaataanagg
46981 ggTTTTattg ttttttTgtg gtaattattg cgtgcttcgg gtaaaccattc taccaatata
47041 tgtataggca ggcgtgctna tttattgtgt ctttatgtac aaacnngtct gtgtgaaaca
47101 tttgtatgac cttatcgttt tggtaaagatc ttgtatcttt tctntgaanc ctccntgtaa
47161 ttcatttttg gttcattttac taagatagtt attggcctat caaaaattgt aggtncggat
47221 atgtccaaat tatnnggttn antgtttatt ttgtgtagaa ttggcgtgct tcggtaaanc
47281 attctccaat atatgtatag gcaggcgtgc ttattatntg tctgtatgta catacctgtc
47341 tgtgtgaaac atttgtatga cttatcgttt tggtaaagatc ttttattaat atctgccag
47401 tccaattata ttgcttaata agacataaat cagaggtgca ggcggactac taatattcct
47461 cttgtcgata gtgggtattc ttctttacca gtatatTTcg gttttttTgt tttttttttt
47521 ttttttttat attttattca tgattttcaa tttaaacctc ttaatcattc atatcatatt
47581 ttactttttt taggaaaatt ttaattttta caattttctac catagtttat ggtgccttta
47641 tttttccttt taattttcaa acgtagaatg agaccaggat gtttttaact caatctggct
47701 tactgttttt tgcctaaatc gatgagaagc gcttccggct tagcttgca cgaatcggct
47761 tatacatatg tatagtgaca tatccataag tccctaagac ttaagcatat gcctacatac
47821 taatacactt acaacatata ccccccccn accacataca ctactccgga tgtacnnaac
47881 anataccaga taagaaaaag actgtttatac gatcctcgag aatagaaana accccaattc
47941 tagatctaga taagtcaccc actggttagac taaacctccg tcccctaatt taaacaattc
48001 cttgcttaac cctcacccca tcgtcacgtt cccacgtcga atgctcggac ccgaaatccc
48061 gaaaaacaaa agtatcgatt tcaataaaca aattataaga atctaagagc acttgtatcc
48121 aagagcaa at gcacttgaat ccaagagcaa atgcacttga atccaagaga aacgcaaagc
48181 tttttctctt cacgatcaga atcctaaagt ctaaagtcca tattggaaaa gctcgatacc
48241 gaggtctaaa cgtcaatcaa atcagaataa ttatcagagt tcagtttgag acctaattgt
48301 aaaaggtcgg tgttcttctc aaataaaaag ttttgtaatc atttagtgaa ataaaaatta
48361 tattttttca cttataaata ttgcaagaat ttaattggcg cagtcggtag gatccaataa
48421 aataaaagag tccttttagt acggtactga tcaactaaat gatatgcat acgtctagct
48481 atccaagatc agcgaattaa aatagtgatt cgaaaatatt ttagagatcc gtaaaagaat
48541 ctcagtga aa gtagtattca aagtaaaatc ccgtgcggtc ggaacaata attttaaatt
48601 ttttaattccg aaacttaaaa ccaagtTTaa agaaaactta aaaccaagtt taaagaaaac
48661 ttaaaaccaa gtttaaagaa aacttaaaac cagtTTaagg aaacttaaaa ccagtTTaaa
48721 gaaaataagt ttaaagaaaa cttaaaatca agaaaactta aaaccaagtt taaagaaaac
48781 tcaaaatcaa gaaaacttaa agccaaaata agctagaaaa ctaaaagaca tcatggcagt
48841 cccacaactc tcagaaacac acctaaacca actgctaaac caaatcaaag aattaaacta
48901 ctacgatggc gcacctggaa ttatctggat tcgtcaacca agtggaacaa ctgnctcagt
48961 ttatacccaa cacaggaagc aagacaggca cacgtcatat atggagcagt gaagcggtta
49021 ttagtgatt cagccttaga agtcgtaacc caggaaagag ctaacacatg gctggacatg
49081 aagaaagaac acggcaatgg tattcaaaga ccatagacct tatgtaactc tcatcagaca
49141 attagaagac atatcatacc caggaagtat ctgtaagttt atagaaatag aaacacaata
49201 ctggattatg ttcgataagt tagaattaga aagtgaccat gttgataaat cgaattatac
49261 cgaaatgtta aacaaaactg ttaaattcagt aatagatcga aaactgccgg atagaattta
49321 tatgtttttg gcaacgtaaa gatattgata caattttatt aaaacaagca tcaatgnaat
49381 taggccttta tgatgctatt ccagaaaatc accgttctaa tagaacagaa atgaataaac
49441 gtaggaacag gggaaactat aatcaaaaata ataatacaaa atattacaat aaatagaaat
49501 cacaactaca gtaattatta tcttagcatg aatcagaatc ataatacaca accacctcag
49561 aatccgactc aacctatgac aaatcaaaac caatattcac cgcgtttcat accgaataat
49621 caaagaggga attattatgc atttagacga gacttaacac aagctcagca gaacaaccca
49681 cttaataaca cccttaactt ccaaccttcg acatcgaata atattaacag acaagggcca
49741 gtaaaaagac aacgcgagag tcagagtgc caaagcagga tggatgtaaa ttttcatcaa
49801 gctgcctcgg aactcaaat gatagagaag gacatacaag tccctatgta aaaataattc
49861 atcataataa aaattataag ggaattgatc atacaggatc atcnnttaac atcataagag
49921 aaaattttga gaacttagaa gaaaaggaag aaaacctaat agtatacact attaaaggac
49981 caataacact aaagagaagt ataataataa aacctactc agtatgtccg tctgctcaaa

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Figure 14 (continued)

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50041 aattctacat tcacaaattt tcngananna tnatttcngg tagntngaaa gttntnnaga
50101 nccaaangcc ttattgnttt angcaacggg ccagtagnta ggctcaaaat tntttagttt
50161 ctntatanaa aannaaggnn gagaccgcat ccaaacgcnt tgnccnaacc aagagaaatga
50221 tncgnttttag tggacanaat caaancanan atgcaaaaagg ttaagacccc acctaagtgc
50281 cttaanccaa agcatnaaca tcaagagang gagactgcat taccctaaatg cgntcatttc
50341 gaatgttggt aaagacacag tggacaatga tgtaacacat ctcgatccca tgtccggtga
50401 cnacgatata gccnacttcg cgattaataa tgagttacgc gaatgtaacg agtatagact
50461 ngaacacttn aatgcanagg aagttgaatg tttaaagaag gtcctatncg aatanagana
50521 cattcagtac aaagagggcg aanatttnnc nttcaccagt nctattaanc atgtcatccg
50581 aantcaacan gaagacccag tataccgtaa accctncang taccctcaga gcgttgacca
50641 anaagtcacc nancaaattn aananatgat aggcnaaggga ttgttcnaaa atcgnagtcc
50701 ccttattggt catcctatgt ggggtggccc caagaaggca gncgcctctg gganaaaaaa
50761 tgcaggttgg tagtcgatta cagnaatcta natganataa ctgttagcga ccaatttccc
50821 attccccgaa tgntntccct angtnagtcg tnntaanggc cgccagagnt tntcatntna
50881 ntccccgtnc cgtagcaa

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